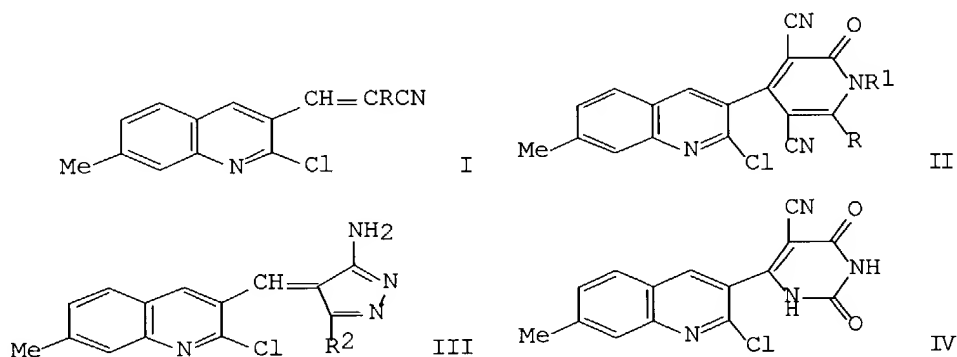


L4 ANSWER 100 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:167269 CAPLUS Full-text
 DN 108:167269
 TI Activated nitriles in heterocyclic synthesis: a one-step synthesis of
 several new pyrimidine, pyridine, and pyrazole derivatives
 AU Fathy, Nahed M.; Elgemeie, Galal H.
 CS Appl. Org. Chem. Lab., Natl. Res. Cent., Cairo, Egypt
 SO Journal of Chemical and Engineering Data (1988), 33(2), 218-19
 CODEN: JCEAAX; ISSN: 0021-9568
 DT Journal
 LA English
 OS CASREACT 108:167269
 GI



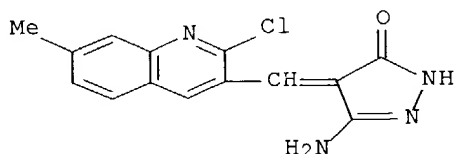
AB Knoevenagel reaction of 2-chloro-7-methyl-3-quinolinecarboxaldehyde with NCCH_2R ($\text{R} = \text{cyano}, \text{CO}_2\text{Et}, \text{CONH}_2$) in EtOH containing Et₃N gave 80-98% (cyanoethenyl)quinolines I. Cyclocondensation of I ($\text{R} = \text{cyano}, \text{CO}_2\text{Et}$) with $\text{NCCH}_2\text{CONHR}_1$ ($\text{R}_1 = \text{H}, \text{NH}_2$) or of I ($\text{R} = \text{CONH}_2$) with $\text{CH}_2(\text{CN})_2$ and $\text{EtO}_2\text{CCH}_2\text{CN}$ gave dicyanoquinolinylnpyridones II. Similar cyclocondensation of I ($\text{R} = \text{cyano}, \text{CO}_2\text{Et}$) with N_2H_4 gave (quinolinylnmethylene)pyrazoles III ($\text{R}_2 = \text{NH}_4, \text{OH}$), and reaction of I ($\text{R} = \text{CO}_2\text{Et}$) with urea gave quinolinylnpyrimidine IV. Other heterocyclic derivs. were also prepared

IT 113111-06-1P

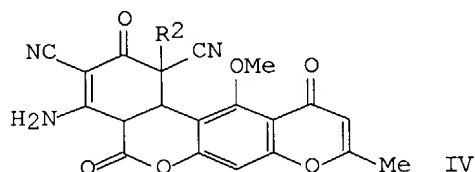
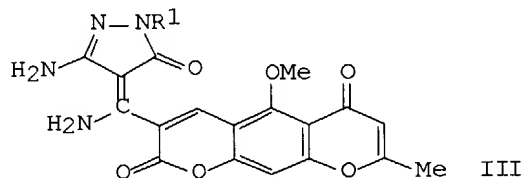
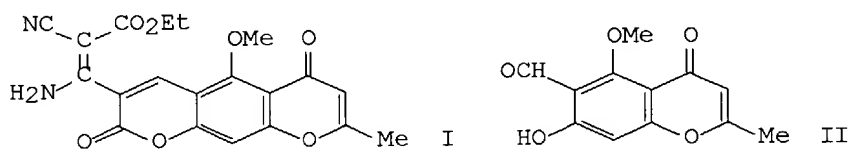
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 113111-06-1 CAPLUS

CN 3H-Pyrazol-3-one, 5-amino-4-[(2-chloro-7-methyl-3-quinolinyln)methylene]-
 2,4-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 101 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:55928 CAPLUS Full-text
 DN 108:55928
 TI Synthesis of benzo[1,2-b;5,4-b']dipyran derivatives (Part II)
 AU Gohar, Abdel Kerim M. N.; Abdel-Latif, F. F.
 CS Fac. Sci., El-Minia Univ., El-Minia, Egypt
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including
 Medicinal Chemistry (1987), 26B(4), 363-5
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English
 OS CASREACT 108:55928
 GI



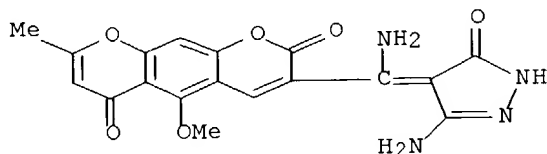
AB Benzodipyran derivative I, which was prepared from fused salicylaldehyde II and $\text{EtO}_2\text{CCH}_2\text{C}(\text{NH}_2):\text{C}(\text{CN})\text{CO}_2\text{Et}$, underwent various reactions with hydrazines and cyanoacetic acid derivs. I was treated with N_2H_4 and PhNHNH_2 to give pyrazoles III ($\text{R}_1 = \text{H}, \text{Ph}$). Benzopyranobenzopyrans IV ($\text{R}_2 = \text{cyano}, \text{CO}_2\text{Et}$) were prepared from I and $\text{R}_2\text{CH}_2\text{CN}$.

IT 112517-80-3P

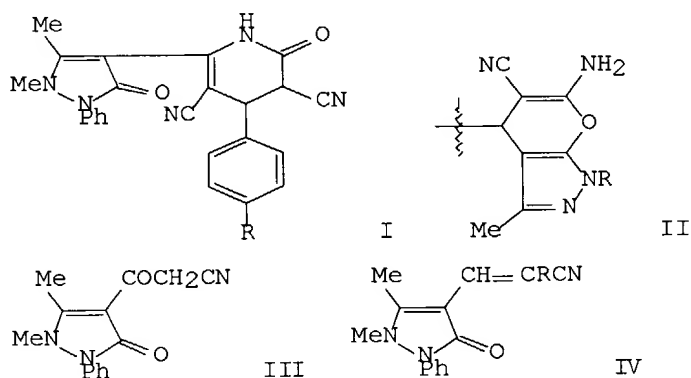
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 112517-80-3 CAPLUS

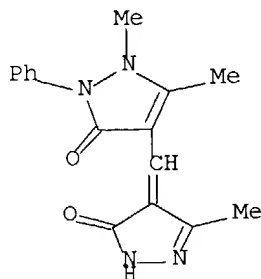
CN 2H,6H-Benzo[1,2-b:5,4-b']dipyran-2,6-dione, 3-[amino(3-amino-1,5-dihydro-5-oxo-4H-pyrazol-4-ylidene)methyl]-5-methoxy-8-methyl- (9CI)
 (CA INDEX NAME)



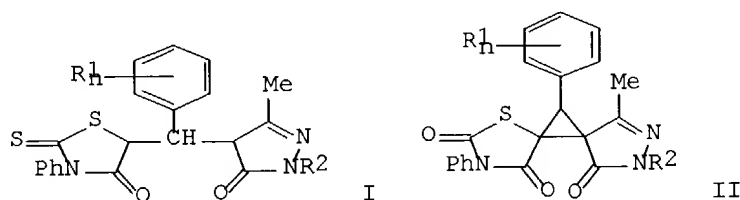
L4 ANSWER 102 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:598161 CAPLUS Full-text
 DN 107:198161
 TI Reactions with 3-pyrazolin-5-ones. Synthesis of 3,4-dihydropyridone and pyrano[2,3-c]pyrazole derivatives
 AU Elagamey, Abdel Ghani A.; Ghali, Edwar A.; Harb, Abdel Fattah A.; Elnagdi, Mohamed H.
 CS Fac. Sci., Mansoura Univ., Mansoura, Egypt
 SO Archiv der Pharmazie (Weinheim, Germany) (1987), 320(2), 140-5
 CODEN: ARPMAS; ISSN: 0365-6233
 DT Journal
 LA English
 OS CASREACT 107:198161
 GI



AB A number of title compds., e.g., I (R = H, Cl, MeO) and II (R = H, Ph), were prepared via cyclocondensation reactions of antipyrine derivs. III and IV (R = cyano, CO₂Et, Bz).
 IT **111042-11-6**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with pyrazolinylacrylonitriles)
 RN 111042-11-6 CAPLUS
 CN 3H-Pyrazol-3-one, 4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]-1,2-dihydro-1,5-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 103 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:572278 CAPLUS Full-text
 DN 107:172278
 TI Michael addition of pyrazolone and thiazolidone to bis- and cyclopropane derivatives: their fungitoxicity study
 AU Mitra, P.; Das, N. B.; Mittra, A. S.
 CS Dep. Chem., Ravenshaw Coll., Cuttack, 753003, India
 SO Acta Ciencia Indica, Chemistry (1985), 11(4), 267-72
 CODEN: ACICDV; ISSN: 0253-7338
 DT Journal
 LA English
 GI



AB Twenty I (R₁ = H, OH, NO₂, MeO, or Br, n = 1 or 2, R₂ = H or Ph) and their cyclopropane derivs. (II) were prepared and screened for their fungicidal activity against rice blast *Pyricularia oryzae* and the brown leaf-spot pathogen *Helminthosporium oryzae*. I were prepared by Michael addition of 4-benzylidene-2-pyrazolin-5-ones to 3-phenyl-2-mercapto-4-thiazolidones or by addition of 5-benzylidene-3-phenyl-2-mercapto-4-thiazolidinones to 3-methyl-2-pyrazolin-5-one. II were prepared by treatment of I with NaOH and I/KI solution or by Michael addition of 4-benzylidene-2-pyrazolin-5-ones with 5-bromo-3-phenyl-2-mercapto-4-thiazolidone. I were more active than II. Examples of some of the more active I were (R₁ and R₂ given): H, Ph; o-OH, Ph; p-OH, Ph; o-NO₂, Ph; 2,3-HO(Br), Ph; o-OH, H; and o-NO₂, H.

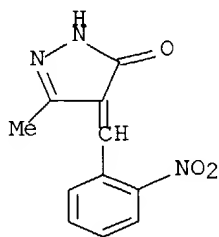
IT **10234-90-9 68761-49-9 68761-50-2**
68761-51-3 68761-52-4 76074-81-2
91436-09-8 91436-10-1 110676-26-1
110676-27-2

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with bromo(mercapto)(phenyl)thiazolidone)

RN 10234-90-9 CAPLUS

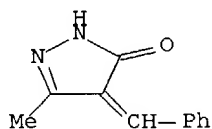
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(2-nitrophenyl)methylene]-
 (9CI)

(CA INDEX NAME)



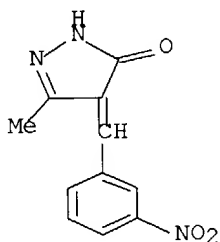
RN 68761-49-9 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



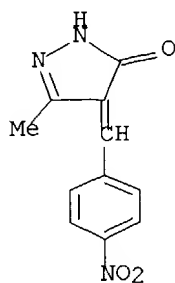
RN 68761-50-2 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(3-nitrophenyl)methylene]- (9CI)
(CA INDEX NAME)

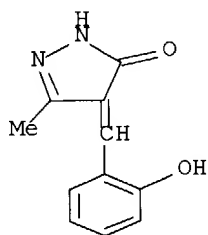


RN 68761-51-3 CAPLUS

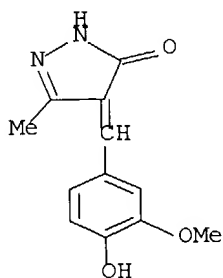
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(4-nitrophenyl)methylene]- (9CI)
(CA INDEX NAME)



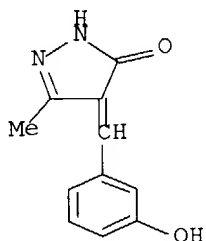
RN 68761-52-4 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



RN 76074-81-2 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxy-3-methoxyphenyl)methylene]-
 5-methyl- (9CI) (CA INDEX NAME)

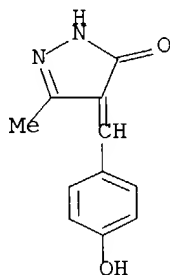


RN 91436-09-8 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



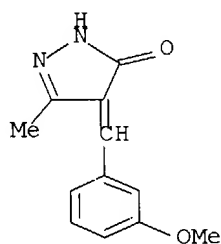
RN 91436-10-1 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxyphenyl)methylene]-5-methyl-
(9CI) (CA INDEX NAME)



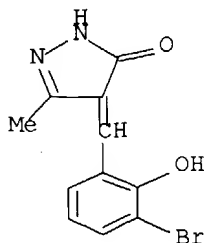
RN 110676-26-1 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-methoxyphenyl)methylene]-5-methyl-
(9CI) (CA INDEX NAME)



RN 110676-27-2 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(3-bromo-2-hydroxyphenyl)methylene]-2,4-dihydro-5-methyl-
(9CI) (CA INDEX NAME)

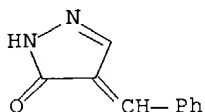


IT 110676-28-3 110676-29-4 110676-30-7
 110676-31-8 110676-32-9 110676-33-0
 110676-34-1 110676-35-2 110676-36-3
 110676-37-4

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with phenyl(mercapto)thiazolidones)

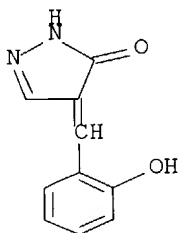
RN 110676-28-3 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-(phenylmethylene)- (9CI) (CA INDEX
 NAME)



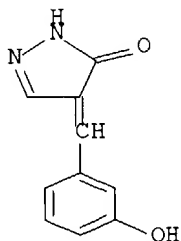
RN 110676-29-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-hydroxyphenyl)methylene]- (9CI) (CA
 INDEX NAME)

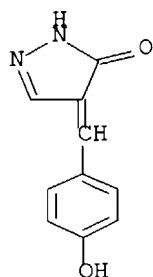


RN 110676-30-7 CAPLUS

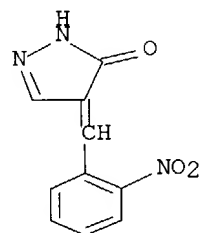
CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-hydroxyphenyl)methylene]- (9CI) (CA
 INDEX NAME)



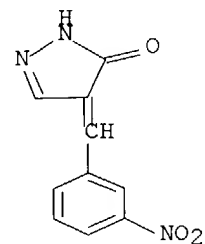
RN 110676-31-8 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxyphenyl)methylene]- (9CI) (CA
 INDEX NAME)



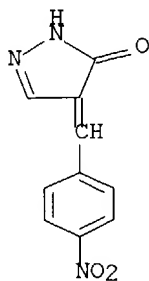
RN 110676-32-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-nitrophenyl)methylene]- (9CI) (CA
 INDEX NAME)



RN 110676-33-0 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-nitrophenyl)methylene]- (9CI) (CA
 INDEX NAME)

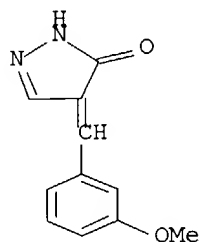


RN 110676-34-1 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-nitrophenyl)methylene]- (9CI) (CA
 INDEX NAME)



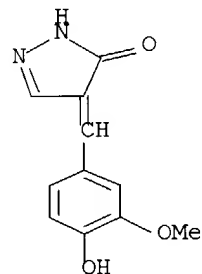
RN 110676-35-2 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-methoxyphenyl)methylene]- (9CI) (CA INDEX NAME)



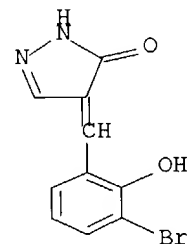
RN 110676-36-3 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxy-3-methoxyphenyl)methylene]- (9CI) (CA INDEX NAME)



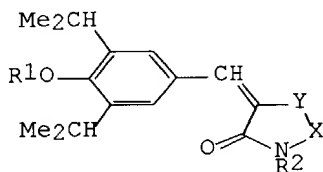
RN 110676-37-4 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(3-bromo-2-hydroxyphenyl)methylene]-2,4-dihydro- (9CI) (CA INDEX NAME)

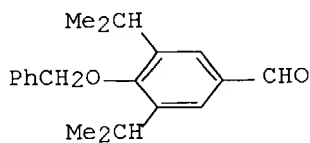


L4 ANSWER 104 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:213918 CAPLUS Full-text
 DN 106:213918
 TI Diisopropylbenzylidene-substituted heterocycles
 IN Imai, Naohiro; Shiraishi, Tadayoshi; Katsumi, Ikuo; Yamashita, Katsuji;
 Ariki, Yutaka; Yamashita, Toshiaki
 PA Kanegafuchi Chemical Industry Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62029570	A2	19870207	JP 1985-167999	19850729
	JP 05074587	B4	19931018		
PRAI	JP 1985-167999		19850729		
GI					



I



II

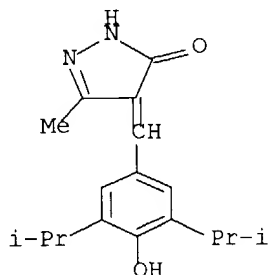
AB The title compds. I [R1 = H, PhCH2; R2 = H, R3CO (R3 = H, C1-3 alkyl), Ph; X = CO, CS, C:NH, CHR4 (R4 = H, C1-3 alkyl), NPh; Y = CH2, CH2SO2, CO, C(O)NH, NR5 (R5 = H, C1-3 alkyl), NHC(O), O, S; XY = CR6:N (R6 = H, C1-3 alkyl, morpholino, Ph), N:CR6, o-phenylene, o-C6H4SO2], useful as antiallergics and tyrosine kinase inhibitors, are prepared. A mixture of 3,5-(Me2CH)2C6H3CHO, hydantoin, ethanolamine, EtOH, and H2O was refluxed to give I (R1 = R2 = H, X = CO, Y = NH) which at 100 μ M showed 100% control of free slow-reacting substances of anaphylaxis or their biosynthesis in guinea pigs.

IT **108402-26-2P**

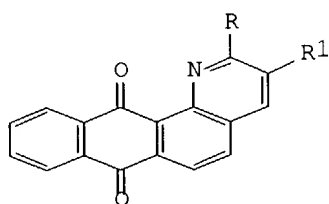
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as antiallergic agent and tyrosine kinase inhibitor)

RN 108402-26-2 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[[4-hydroxy-3,5-bis(1-methylethyl)phenyl]methylene]-5-methyl- (9CI) (CA INDEX NAME)

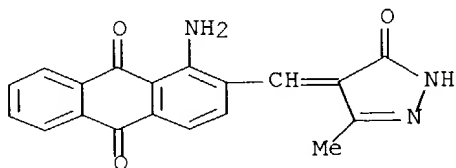


L4 ANSWER 105 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:119761 CAPLUS Full-text
 DN 106:119761
 TI Synthesis of naphtho[2,3-h]quinoline-7,12-dione, 1H-naphtho[2,3-h]pyrazolo[3,4-b]quinoline-7,12-dione and their derivatives
 AU Younes, Mansour I.; Metwally, Saoud A.
 CS Fac. Sci., Assiut Univ., Quena, Egypt
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1986), 25B(6), 616-18
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English
 OS CASREACT 106:119761
 GI

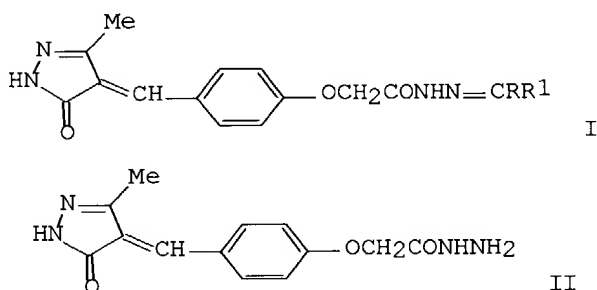


II

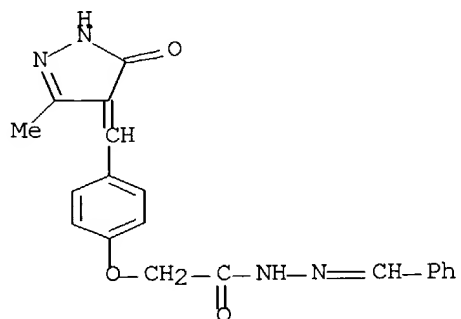
AB The Friedlaender condensation of 1-amino-2-formylanthraquinone (I) with a number of ketones was studied. Condensation of I with cyclohexanone in the presence of ethanolic KOH gave naphthacridinedione I [RR1 = (CH2)4] whereas with acetylpyridines and 2-acetylthiophene, naphthoquinolinediones I (R = 2-, 3-, 4-pyridyl, 2-thienyl; R1 = H) were obtained. Fusion of I with 3-methyl-2-pyrazolin-5-ones and oxindole gave naphthopyrazoloquinolinediones I (RR1 = NHN:CMe, NPhN:CMe) and indolonaphthoquinolinedione I (RR1 = o-NHC6H4) resp. Reactions of I with other compds. were also studied.
 IT **107124-90-3P**
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and NMR of)
 RN 107124-90-3 CAPLUS
 CN 9,10-Anthracenedione, 1-amino-2-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 106 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:102148 CAPLUS Full-text
 DN 106:102148
 TI Synthesis of some newer 4-(3-methyl-5-oxo-4-pyrazolidinylidenemethyl)phenoxyacetic acid benzylidenehydrazides and α -methylbenzylidenehydrazides as CNS active and antiinflammatory agents
 AU Mohan, Rajiv Ravindra; Agarwal, Chapla; Misra, V. S.
 CS Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1986), 25B(3), 339-41
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English
 OS CASREACT 106:102148
 GI

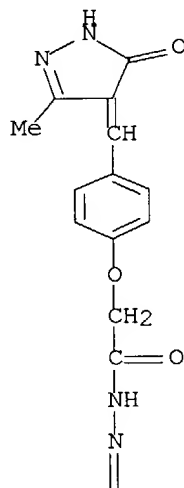


AB The title compds. I (R = H, Me; R1 = Ph, substituted phenyl) were prepared by condensation of hydrazides II with RCOR2. II was prepared by condensation of 3-methyl-5-oxopyrazole with p-OHCC6H4OCH2CO2Et followed by treatment with H2NNH2.H2O. I had central nervous systems stimulant or depressant activity and gave 4-23% protection against carrageenin-induced mice paw edema.
 IT 107044-90-6P 107044-91-7P 107044-92-8P
 107044-93-9P 107044-94-0P 107044-95-1P
 107044-96-2P 107044-97-3P 107044-98-4P
 107044-99-5P 107045-00-1P 107045-01-2P
 107045-02-3P 107045-03-4P 107045-04-5P
 107045-05-6P 107045-06-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and central nervous system and antiinflammatory activity of)
 RN 107044-90-6 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, (phenylmethylene)hydrazide (9CI) (CA INDEX NAME)

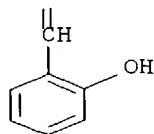


RN 107044-91-7 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(2-hydroxyphenyl)methylene]hydrazide (9CI)
 (CA INDEX NAME)

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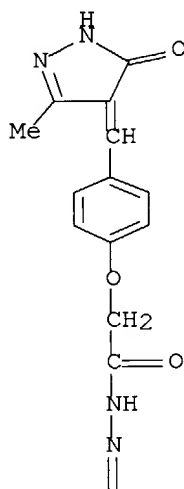


PAGE 2-A

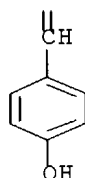


RN 107044-92-8 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(4-hydroxyphenyl)methylene]hydrazide (9CI)
 (CA INDEX NAME)

PAGE 1-A

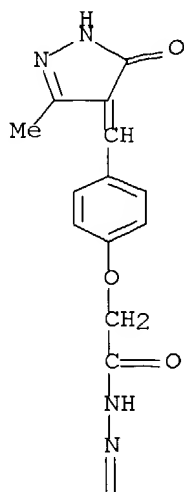


PAGE 2-A

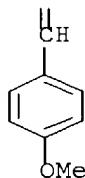


RN 107044-93-9 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(4-methoxyphenyl)methylene]hydrazide (9CI)
 (CA INDEX NAME)

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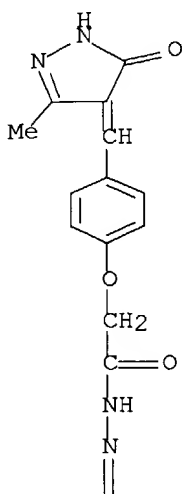
PAGE 2-A



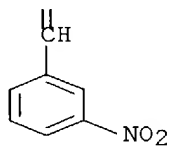
RN 107044-94-0 CAPLUS

CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(3-nitrophenyl)methylene]hydrazide (9CI) (CA INDEX NAME)

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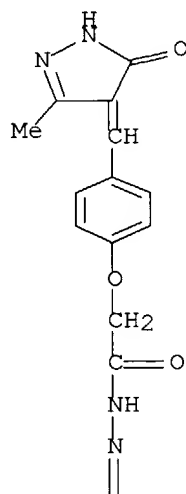


PAGE 2-A

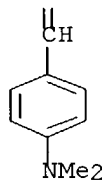


RN 107044-95-1 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [[4-(dimethylamino)phenyl]methylene]hydrazide (9CI) (CA INDEX NAME)

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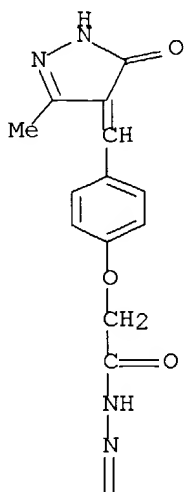


PAGE 2-A

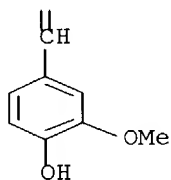


RN 107044-96-2 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(4-hydroxy-3-methoxyphenyl)methylene]hydrazide
(9CI) (CA INDEX NAME)

PAGE 1-A

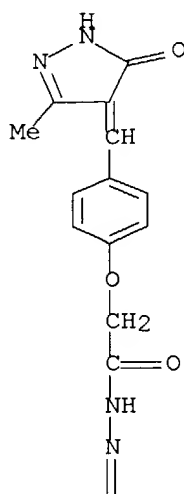


PAGE 2-A

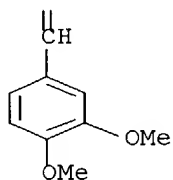


RN 107044-97-3 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(3,4-dimethoxyphenyl)methylene]hydrazide
(9CI)
(CA INDEX NAME)

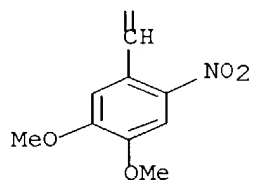
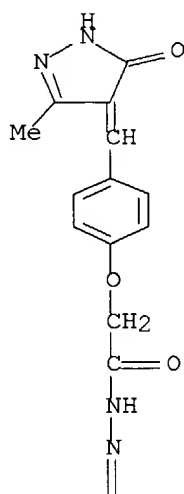
PAGE 1-A



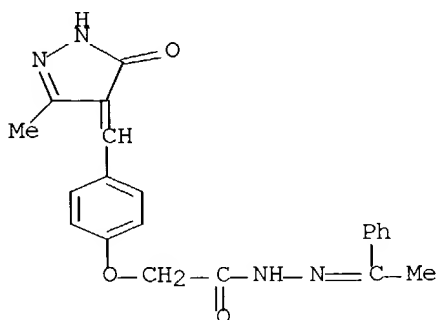
PAGE 2-A



RN 107044-98-4 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [(4,5-dimethoxy-2-nitrophenyl)methylene]hydrazide (9CI) (CA INDEX NAME)

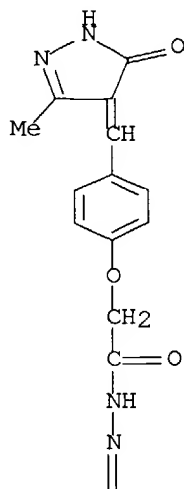


RN 107044-99-5 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, (1-phenylethylidene)hydrazide (9CI) (CA INDEX NAME)

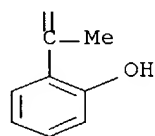


RN 107045-00-1 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(2-hydroxyphenyl)ethylidene]hydrazide (9CI)
 (CA INDEX NAME)

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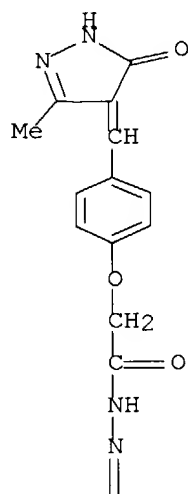


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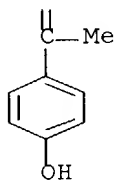


RN 107045-01-2 CAPLUS
 CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-hydroxyphenyl)ethylidene]hydrazide (9CI)
 (CA INDEX NAME)

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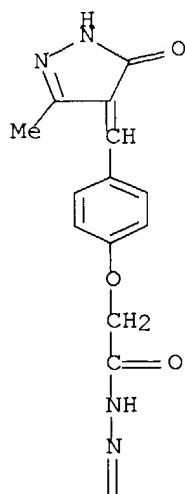


PAGE 2-A

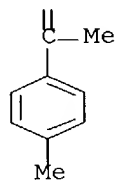


RN 107045-02-3 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-methylphenyl)ethylidene]hydrazide (9CI)
(CA INDEX NAME)

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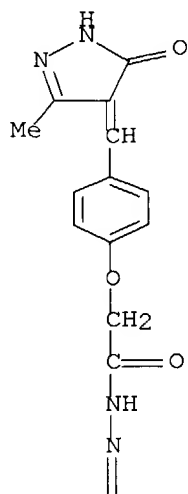


PAGE 2-A

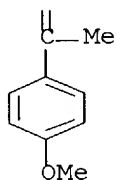


RN 107045-03-4 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-methoxyphenyl)ethylidene]hydrazide (9CI)
(CA INDEX NAME)

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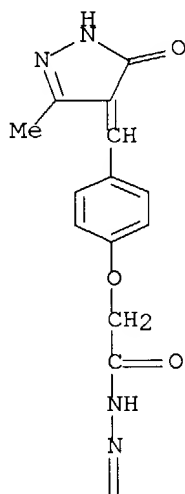


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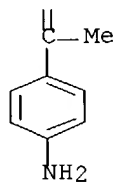


RN 107045-04-5 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-aminophenyl)ethylidene]hydrazide (9CI)
(CA INDEX NAME)

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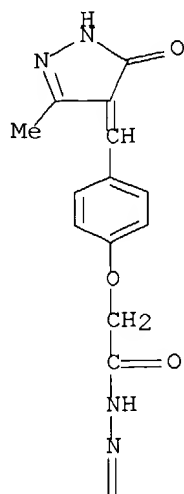


PAGE 2-A

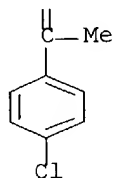


RN 107045-05-6 CAPLUS
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-chlorophenyl)ethylidene]hydrazide (9CI)
(CA INDEX NAME)

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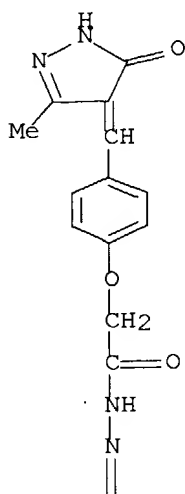
PAGE 2-A



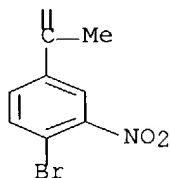
RN 107045-06-7 CAPLUS

CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, [1-(4-bromo-3-nitrophenyl)ethylidene]hydrazide (9CI) (CA INDEX NAME)

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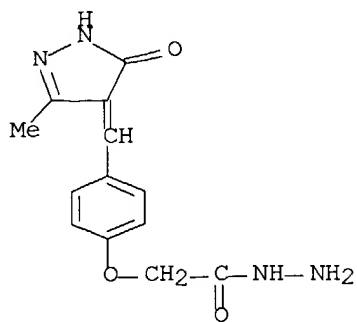


IT 107045-08-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation with benzaldehydes and acetophenones)

RN 107045-08-9 CAPLUS

CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, hydrazide (9CI) (CA INDEX NAME)



IT **107045-07-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

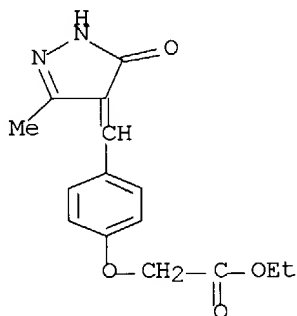
RACT

(Reactant or reagent)

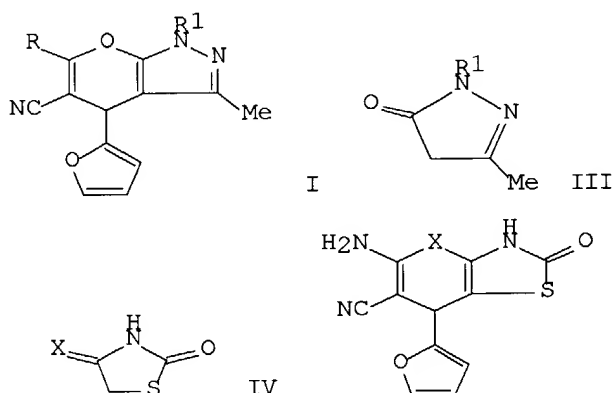
(preparation and reaction with hydrazine)

RN 107045-07-8 CAPLUS

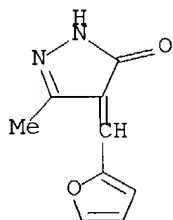
CN Acetic acid, [4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



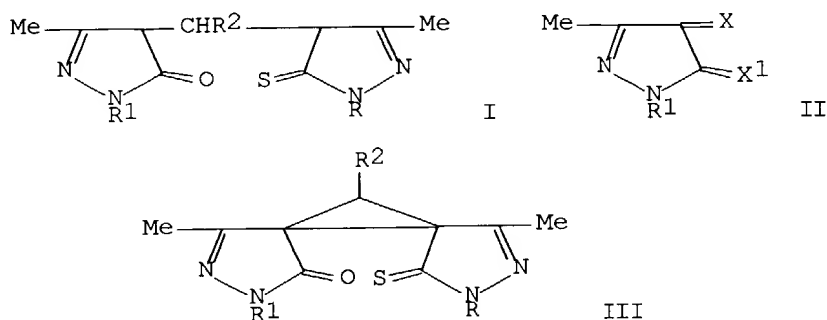
L4 ANSWER 107 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1986:68786 CAPLUS Full-text
 DN 104:68786
 TI Substituted acrylonitriles in heterocyclic synthesis. The reaction of
 α -substituted β -(2-furyl)acrylonitriles with some active
 methylene heterocycles
 AU Abdelrazek, Fathy Mohamed; Kandeel, Zaghloul El Shahat; Himly, Khalid
 Mohamed Hassan; Elnagdi, Mohamed Hilmy
 CS Fac. Sci., Cairo Univ., Giza, Egypt
 SO Synthesis (1985), (4), 432-4
 CODEN: SYNTBF; ISSN: 0039-7881
 DT Journal
 LA English
 OS CASREACT 104:68786
 GI



AB Cyanofurylpyranopyrazoles I ($R = \text{NH}_2$; $R_1 = \text{H, Ph}$) were prepared by
 treating $R_2\text{CH:CR}_3\text{CN}$ (II; $R_2 = 2\text{-furyl}$, $R_3 = \text{cyano}$) with pyrazolinone III
 ($R_1 = \text{H, Ph}$) in EtOH containing piperidine. Similar treatment of II (R_2
 $= 2\text{-furyl}$; $R_3 = \text{CO}_2\text{Et, Bz}$) with III yielded I ($R = \text{OH, Ph}$; $R_1 = \text{H, Ph}$).
 When similarly treated with dioxo- and oxothioxothiazoles IV ($X = \text{O, S}$),
 II ($R_2 = 2\text{-furyl}$, $R_3 = \text{cyano}$) gave pyrano- and thiopyranothiazolones V.
 IT **99941-44-3**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclization of, with malononitrile)
 RN 99941-44-3 CAPLUS
 CN 3H-Pyrazol-3-one, 4-(2-furanylmethylene)-2,4-dihydro-5-methyl- (9CI)
 (CA INDEX NAME)



L4 ANSWER 108 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1985:185006 CAPLUS Full-text
 DN 102:185006
 TI Synthesis and fungicidal activity of some mixed 5-pyrazolone and
 5-thiopyrazolone derivatives
 AU Devi, S.; Nayak, A.; Mittra, A. S.
 CS Mayurbhanj Chem. Lab., Ravenshaw Coll., Cuttack, 753 003, India
 SO Journal of the Indian Chemical Society (1984), 61(7), 640-2
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English
 OS CASREACT 102:185006
 GI



AB The title compds. I ($\text{R} = \text{Ph}$, $\text{R}_1 = \text{Ph}$, H , $\text{R}_2 = \text{Ph}$, substituted Ph) were prepared in 40-55% yields by Michael addition of pyrazolone II ($\text{X} = \text{R}_2\text{CH}$, $\text{X}^1 = \text{O}$) with II ($\text{X} = \text{H}_2$, $\text{X}^1 = \text{S}$) or analogously from II ($\text{X} = \text{R}_2\text{CH}$, $\text{X}^1 = \text{S}$) and II ($\text{X} = \text{H}_2$, $\text{X}^1 = \text{O}$). Treating I with 20% NaOH and a saturated solution of I-KI gave 35-50% cyclopropanes III. I ($\text{R} = \text{R}_1 = \text{R}_2 = \text{Ph}$) inhibited germination of *Pyricularia oryzae* and *Helminthosporium oryzae* 61 and 58%, resp., at 1000 ppm concentration III were somewhat less effective.

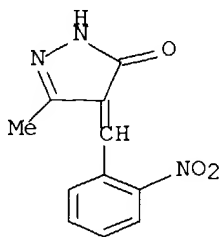
IT 10234-90-9 68761-49-9 68761-50-2
 68761-51-3 68761-52-4 91436-09-8
 91436-10-1

RL: RCT (Reactant); RACT (Reactant or reagent)
 (Michael reaction of, with pyrazolonethiones)

RN 10234-90-9 CAPLUS

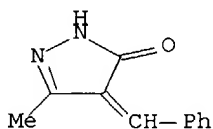
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(2-nitrophenyl)methylene]-
 (9CI)

(CA INDEX NAME)



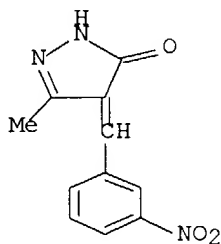
RN 68761-49-9 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



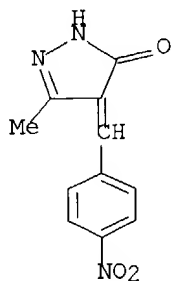
RN 68761-50-2 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(3-nitrophenyl)methylene]- (9CI)
(CA INDEX NAME)

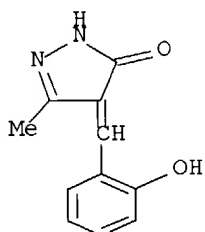


RN 68761-51-3 CAPLUS

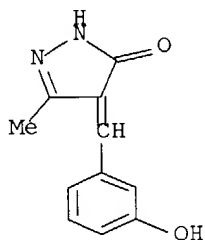
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(4-nitrophenyl)methylene]- (9CI)
(CA INDEX NAME)



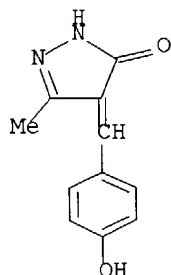
RN 68761-52-4 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



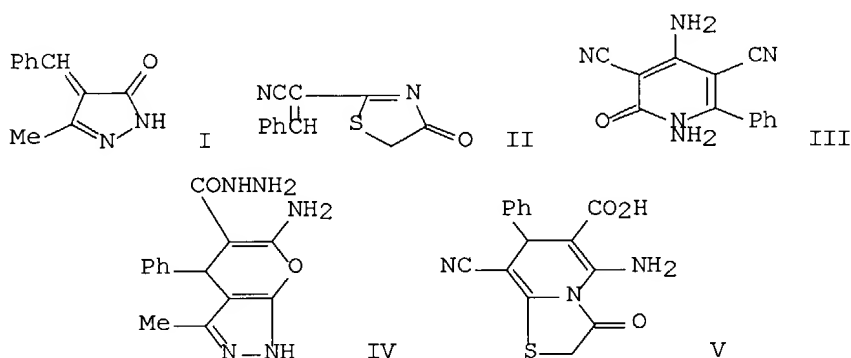
RN 91436-09-8 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



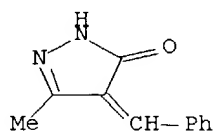
RN 91436-10-1 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



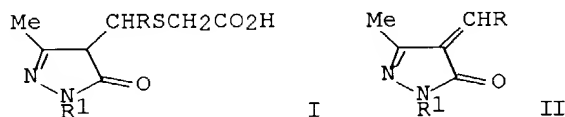
L4 ANSWER 109 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1985:185005 CAPLUS Full-text
 DN 102:185005
 TI Activated nitriles in heterocyclic synthesis. Part III. Synthesis of
 N-amino-2-pyridone, pyranopyrazole and thiazolopyridine derivatives
 AU Elmoghayar, Mohamed Rifaat Hamza; El-Agamey, Abdel-Ghani Ali; Nasr,
 Mohamed Yousri Abdel-Samad; Sallam, Mohamed Mohamed Mohamed
 CS Fac. Sci., Cairo Univ., Damietta, Egypt
 SO Journal of Heterocyclic Chemistry (1984), 21(6), 1885-7
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 OS CASREACT 102:185005
 GI



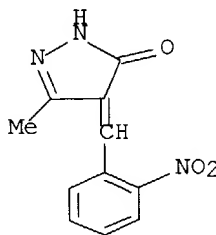
AB Refluxing $\text{H}_2\text{NNHCOCH}_2\text{CN}$ with PhCH:C(CN)_2 , pyrazolinone I, and
 thiazolinone II in EtOH in the presence of piperidine gave pyridone III,
 pyranopyrazole IV, and thiazolopyridine V resp.
 IT **68761-49-9**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation of, with cyanoacetohydrazide)
 RN 68761-49-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA
 INDEX NAME)



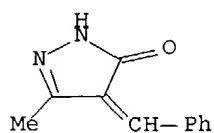
L4 ANSWER 110 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:571166 CAPLUS Full-text
 DN 101:171166
 TI Synthesis and fungitoxicity of 2-pyrazolin-4-(1'-aryl-1'-thioglycolic
 acid
 methyl)-5-one
 AU Mitra, Pravati; Mittra, A. S.
 CS Mayurbhanj Chem. Lab., Ravenshaw Coll., Cuttack, 753003, India
 SO Acta Ciencia Indica, Chemistry (1983), 9(1-4), 6-8
 CODEN: ACICDV; ISSN: 0253-7338
 DT Journal
 LA English
 GI



AB Twenty-four title compds. I (R = aryl; R1 = Ph, H) were prepared by
 Michael addition of HSCH2CO2H with the corresponding 4-monoarylidene-2-
 pyrazolin-5- ones II. Eleven I were active against Pyricularia oryzae
 and Helminthosporium oryzae.
 IT **10234-90-9 68761-49-9 68761-50-2**
68761-51-3 68761-52-4 91436-09-8
91436-10-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (Michael reaction of, with thioglycolic acid)
 RN 10234-90-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(2-nitrophenyl)methylene]-
 (9CI)
 (CA INDEX NAME)



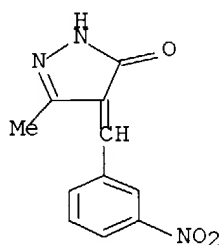
RN 68761-49-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA
 INDEX NAME)



RN 68761-50-2 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(3-nitrophenyl)methylene]-
(9CI)

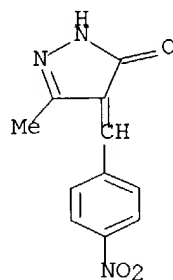
(CA INDEX NAME)



RN 68761-51-3 CAPLUS

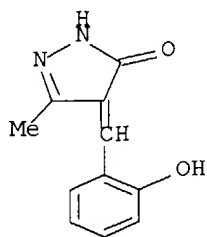
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(4-nitrophenyl)methylene]-
(9CI)

(CA INDEX NAME)

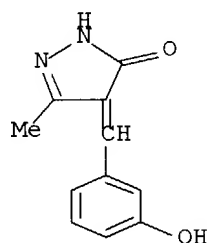


RN 68761-52-4 CAPLUS

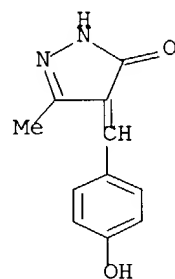
CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-hydroxyphenyl)methylene]-5-methyl-
(9CI) (CA INDEX NAME)



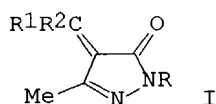
RN 91436-09-8 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(3-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



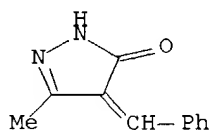
RN 91436-10-1 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxyphenyl)methylene]-5-methyl-
 (9CI) (CA INDEX NAME)



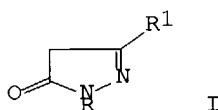
L4 ANSWER 111 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:472660 CAPLUS Full-text
 DN 101:72660
 TI Michael addition of ylidenepyrazolones
 AU Khalifa, Fathy A.; Abdel-Galil, Fathy M.; Riad, Bahia Y.; Elnagdi, Mohamed
 H.
 CS Fac. Sci., Cairo Univ., Giza, Egypt
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1983), 22B(11), 1158-9
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English
 OS CASREACT 101:72660
 GI



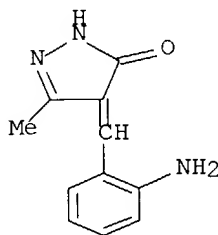
AB The reactivity of ylidenepyrazolones I [R,R1,R2 = H, H, Ph (II); Ph, Me, OH (III), Ph, Me, NH2 (IV)] towards compds. bearing in activated double bond has been investigated. Thus, II on treatment with H2C:CHCN gave the amide I (R = CH2CH2CONH2, R1, R2 = H) whereas treatment with H2C:CHCO2Et, N-arylmaleimides, and MeO2CC.tplbond.CCO2Et, the Michael adducts were obtained. Reaction of III and IV with H2C:CHCN and H2C:CHCO2Et gave the adducts I [R = Ph; R1 = (CH2)3CONH2, (CH2)3CO2Et, R2 = OH, NH2].
 IT **68761-49-9**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (Michael condensation of, with acrylonitrile)
 RN 68761-49-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



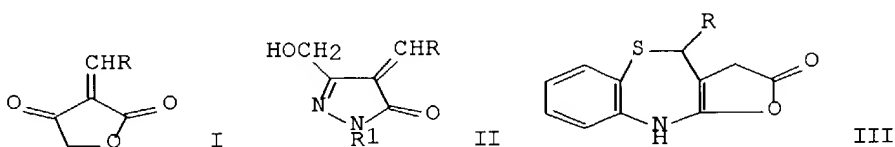
L4 ANSWER 112 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:156536 CAPLUS Full-text
 DN 100:156536
 TI Friedlaender condensation of 1H-pyrazolin-5-ones with o-aminobenzaldehydes. Synthesis of 1H-pyrazolo[3,4-b]quinolines
 AU Tomasiak, Danuta; Tomasiak, Piotr; Abramovitch, Rudolph A.
 CS Dep. Chem. Phys., Hugon Kollataj Acad. Agric., Krakow, 30059, Pol.
 SO Journal of Heterocyclic Chemistry (1983), 20(6), 1539-43
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 OS CASREACT 100:156536
 GI



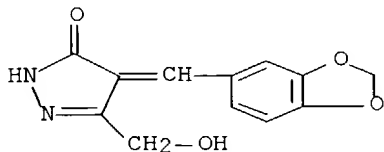
AB All the possible 1H-pyrazolin-5-ones I (R, R1 = H, Me, Ph) have been condensed with 2-H2NC6H4CHO. In some cases 1H-pyrazolo[3,4-b]quinolines are formed together with a variety of other products. The balance between formation of hydrazone and the ring-closed product is discussed, as is the formation of other products obtained in these condensations.
 IT **89522-19-0P**
 RL: FORM (Formation, nonpreparative); PREP (Preparation)
 (formation of, in Friedlaender reaction of pyrazolinone with aminobenzaldehyde)
 RN 89522-19-0 CAPLUS
 CN 3H-Pyrazol-3-one, 4-[(2-aminophenyl)methylene]-2,4-dihydro-5-methyl-
 (9CI)
 (CA INDEX NAME)



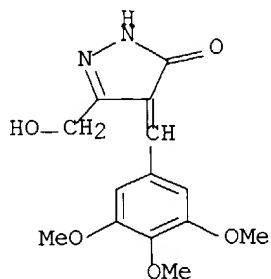
L4 ANSWER 113 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:594936 CAPLUS Full-text
 DN 99:194936
 TI Substituted γ -butyrolactones. Part 32. Ring construction using
 3-(arylmethylene)-2,4(3H,5H)-furandione: synthesis of pyrazolones and
 furo[3,4-c][1,5]benzothiazepinones
 AU Schmidt, Diane Grob; Zimmer, Hans
 CS Dep. Chem., Univ. Cincinnati, Cincinnati, OH, 45221, USA
 SO Journal of Organic Chemistry (1983), 48(23), 4367-70
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 OS CASREACT 99:194936
 GI



AB Arylmethylenefurandiones I [R = Ph, 4-ClC₆H₄, 2-ClC₆H₄, 4-BrC₆H₄, 2-O₂NC₆H₄, 3,4-(MeO)₂C₆H₃, 3,4,5-(MeO)₃C₆H₂, 3,4-methylenedioxyphenyl, 5-methyl-2-thienyl] reacted with H₂NNHR₁ (R₁ = H, Me) regioselectively to form pyrazolones II as the major product. With 2-HSC₆H₄NH₂, I reacted to form furobenzothiazepinones III.
 IT **87191-99-9 87192-00-5 87192-01-6**
87192-02-7 87192-03-8 87192-04-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with aminothiophenol, benzothiazepinone by)
 RN 87191-99-9 CAPLUS
 CN 3H-Pyrazol-3-one, 4-(1,3-benzodioxol-5-ylmethylene)-2,4-dihydro-5-(hydroxymethyl)- (9CI) (CA INDEX NAME)

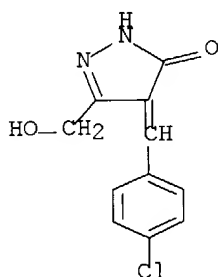


RN 87192-00-5 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-(hydroxymethyl)-4-[(3,4,5-trimethoxyphenyl)methylene]- (9CI) (CA INDEX NAME)



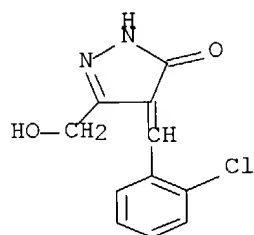
RN 87192-01-6 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(4-chlorophenyl)methylene]-2,4-dihydro-5-(hydroxymethyl)- (9CI) (CA INDEX NAME)



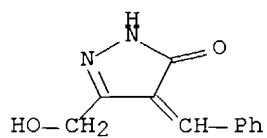
RN 87192-02-7 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(2-chlorophenyl)methylene]-2,4-dihydro-5-(hydroxymethyl)- (9CI) (CA INDEX NAME)



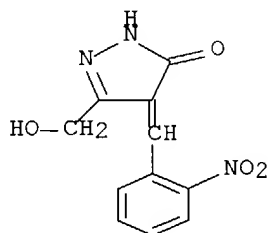
RN 87192-03-8 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-(hydroxymethyl)-4-(phenylmethylene)- (9CI)
(CA INDEX NAME)

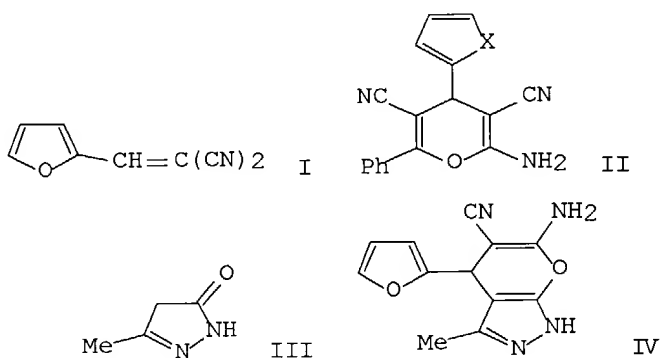


RN 87192-04-9 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-(hydroxymethyl)-4-[(2-nitrophenyl)methylene]- (9CI) (CA INDEX NAME)



L4 ANSWER 114 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:594746 CAPLUS Full-text
 DN 99:194746
 TI α,β -Unsaturated nitriles in heterocyclic synthesis: the
 reaction of β -(2-furanyl)- and β -(2-thienyl)acrylonitrile with
 active methylene reagents
 AU Girgis, Nabih Saddik; Elgemeie, Galal Eldin Hamza; Nawar, Galal Abdel
 Moeir; Elnagdi, Mohamed Hilmy
 CS Natl. Res. Cent., Cairo, Egypt
 SO Liebigs Annalen der Chemie (1983), (9), 1468-75
 CODEN: LACHDL; ISSN: 0170-2041
 DT Journal
 LA English
 OS CASREACT 99:194746
 GI



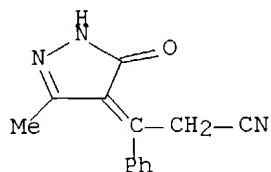
AB The reactions of β -(2-furanyl)- and β -(2-thienyl)acrylonitriles with
 active methylene reagents were investigated. New pyran and
 pyranodiazole derivs. were obtained. Thus, the furanylacetonitrile I
 and PhCOCH_2CN gave its pyran II. I and the pyrazole III gave the
 pyranopyrazole IV.

IT **87736-65-0P**

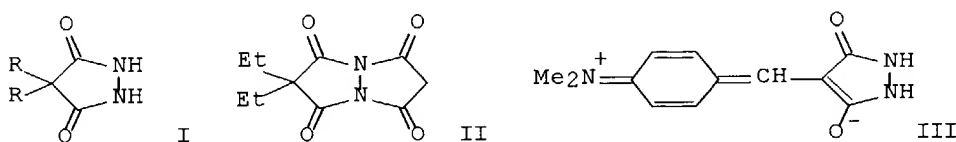
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 87736-65-0 CAPLUS

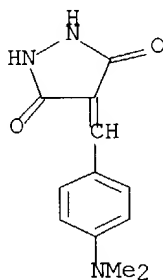
CN Benzenepropanenitrile, β -(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)- (9CI) (CA INDEX NAME)



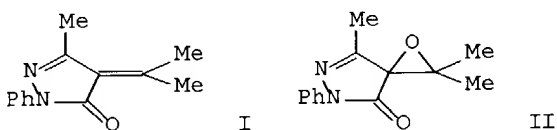
L4 ANSWER 115 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:522367 CAPLUS Full-text
 DN 99:122367
 TI Synthesis of unsubstituted pyrazolidine-3,5-dione
 AU Dubau, Franz Peter
 CS Mechtersen, D-2121, Fed. Rep. Ger.
 SO Chemische Berichte (1983), 116(7), 2714-16
 CODEN: CHBEAM; ISSN: 0009-2940
 DT Journal
 LA German
 OS CASREACT 99:122367
 GI



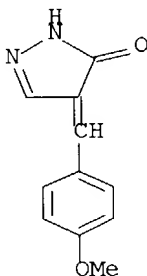
AB Cyclizing EtO2CCH2CONH2 with NaOMe gave 20% the title compound (I, R = H). Et2C(COCl)2 cyclized with I (R = H) to give the same compound II (27% yield) as was also obtained from I (R = Et) and CH2(COCl)2. Condensation of I (R = H) with 4-Me2NC6H4CHO gave pyrazololate III, indicating the very active CH2 group of I (R = H).
 IT **87161-14-6P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 87161-14-6 CAPLUS
 CN 3,5-Pyrazolidinedione, 4-[[4-(dimethylamino)phenyl]methylene]- (9CI)
 (CA INDEX NAME)



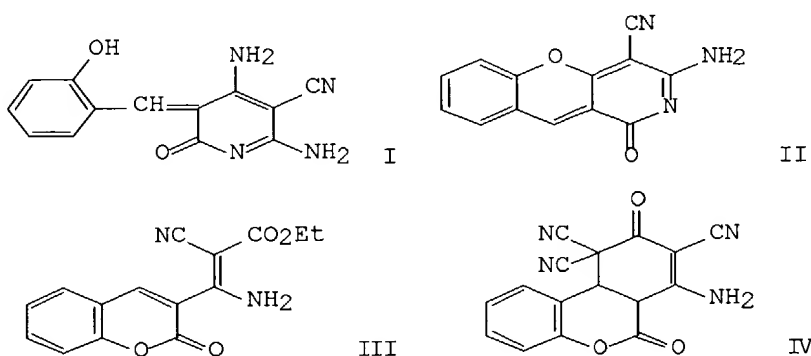
L4 ANSWER 116 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:215520 CAPLUS Full-text
 DN 98:215520
 TI Oxopyrazoline-spirooxiranes. A new class of reactive heterocycles
 AU Ege, Seyhan N.; Adams, Alan D.; Gess, E. Joseph; Ragone, Katherine S.;
 Kober, Brian J.; Lampert, Mark B.; Umrigar, Pesi; Lankin, David C.;
 Griffin, Gary W.
 CS Dep. Chem., Univ. Michigan, Ann Arbor, MI, 48109, USA
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and
 Bio-Organic Chemistry (1972-1999) (1983), (2), 325-31
 CODEN: JCPRB4; ISSN: 0300-922X
 DT Journal
 LA English
 OS CASREACT 98:215520
 GI



AB Oxidation of 4-alkylidene- and 4-arylidene-1-aryl-2-pyrazolin-5-ones
 with H₂O₂ in MeOH containing NaOH gave 1-oxa-5,6-diazaspiro[2.4]hept-6-
 en-4-ones. E.g., epoxidn. of pyrazolinone I as above gave 76% spiro
 compound II. These new compds. were characterized spectroscopically,
 especially by NMR.
 IT **85921-36-4**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidation of)
 RN 85921-36-4 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-methoxyphenyl)methylene]- (9CI) (CA
 INDEX NAME)



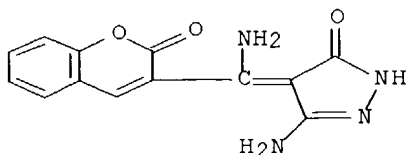
L4 ANSWER 117 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:34466 CAPLUS Full-text
 DN 98:34466
 TI Activated nitriles in heterocyclic synthesis: synthesis of several new coumarin derivatives
 AU Abdou, Sadek; Fahmy, Sherif Mahmoud; Khader, Mahmoud M.; Elnagdi, Mohamed Hilmy
 CS Fac. Sci., Cairo Univ., Giza, Egypt
 SO Monatshefte fuer Chemie (1982), 113(8-9), 985-91
 CODEN: MOCMB7; ISSN: 0026-9247
 DT Journal
 LA English
 GI



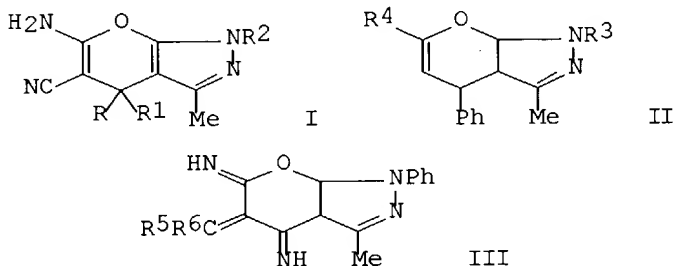
AB NCC(NH₂):C(CN)₂ reacted with 2-HOC₄H₄CHO to give the adduct I, which underwent cyclization to give the benzopyranopyridine II.
 EtO₂CC(NH₂):CCCN)CO₂Et underwent cyclization with 2-HOC₆H₄CHO to give the benzopyran III. III underwent reactions with active methyleno compds. to give various adducts, e.g. IV.

IT **84156-08-1P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

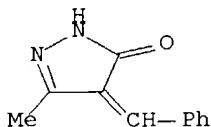
RN 84156-08-1 CAPLUS
 CN 3H-Pyrazol-3-one, 5-amino-4-[amino(2-oxo-2H-1-benzopyran-3-yl)methylene]-
 2,4-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 118 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1982:104138 CAPLUS Full-text
 DN 96:104138
 TI Activated nitriles in heterocyclic synthesis: a novel synthesis of
 pyrano[2,3-c]pyrazoles
 AU Abdou, Sadek; Fahmy, Sherif Mahmoud; Sadek, Kamal Usef; Elnagdi, Mohamed
 Hilmy
 CS Fac. Sci., Minia Univ., Egypt
 SO Heterocycles (1981), 16(12), 2177-80
 CODEN: HTCYAM; ISSN: 0385-5414
 DT Journal
 LA English
 OS CASREACT 96:104138
 GI



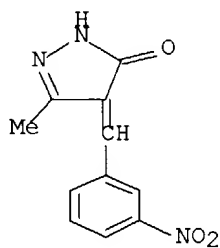
AB Pyranopyrazoles I [R = (un)substituted Ph, R1 = H, (un)substituted Ph, R2 = H, Ph, RR1 = 9-fluorenylidenyl], II (R3 = H, Ph, R4 = OH, Ph), and III (R5 = Ph, p-MeOC6H4, m-O2NC6H4, R6 = H; R5 = R6 = Ph, p-MeOC6H4; R5R6 = 9-fluorenylidenyl) were prepared in 50-94% yields by cyclocondensation reactions of phenylacrylonitriles with 3-methyl- and 3-methyl-1-phenyl-2-pyrazolin-5-ones.
 IT **68761-49-9 68761-50-2 76074-80-1**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation of, with malononitrile)
 RN 68761-49-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 68761-50-2 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(3-nitrophenyl)methylene]-

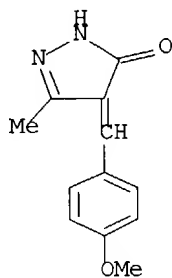
(9CI)

(CA INDEX NAME)



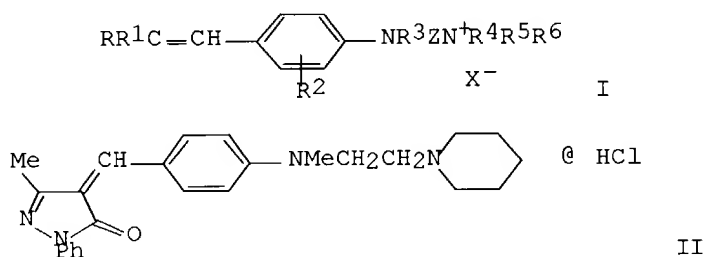
RN 76074-80-1 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-methoxyphenyl)methylene]-5-methyl-
(9CI) (CA INDEX NAME)



L4 ANSWER 119 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1981:552152 CAPLUS Full-text
 DN 95:152152
 TI Bleachable dyes and their use in photographic material
 IN Postle, Stephen Roderick
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 27 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 29412	A2	19810527	EP 1980-810350	19801113
	EP 29412	A3	19811202		
	R: BE, CH, DE, FR, GB, IT				
	US 4369310	A	19830118	US 1980-199162	19801022
	JP 56084752	A2	19810710	JP 1980-159699	19801114
PRAI	GB 1979-39970		19791119		
GI					



AB Bleachable dyes (I; R, R¹ = CN, acyl, carbalkoxy; R¹ ≠ CN or carbalkoxy when R is CN; RR¹C = carbocyclic or heterocyclic ring; R² = H, alkyl, alkoxy; R³ = alkyl; R⁴, R⁵, R⁶ = H, alkyl, carboxyalkyl, alkoxy-carbonylalkyl, aryl; 2 or 3 of R⁴, R⁵, R⁶ may be combined with the attached N to form a ring system; Z = bridging group; X⁻ = anion) are prepared for use as antihalation dyes, filter dyes, and screening dyes. Thus, a mixture of N-[2-(N-piperidyl)ethyl]-N-methylaniline-4-carboxaldehyde [79049-79-9] and 3-methyl-1-phenyl-5-pyrazolone [1932-03-2] was refluxed in HOAc to give II [79049-43-7] with λ_{max} (gelatin) 415 nm, 98% substantivity, and 100% bleachability in gelatin.

IT **79049-57-3P**

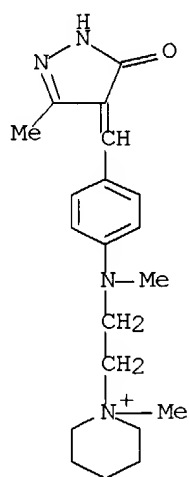
RL: IMF (Industrial manufacture); PREP (Preparation)
 (photog. dye, bleachable, preparation of)

RN 79049-57-3 CAPLUS

CN Piperidinium, 1-[2-[[4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]phenyl]methylamino]ethyl]-1-methyl-, methyl sulfate (9CI)
 (CA INDEX NAME)

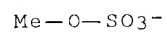
CM 1

CRN 79049-56-2
CMF C20 H29 N4 O

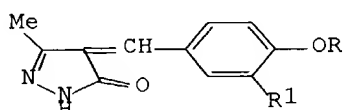


CM 2

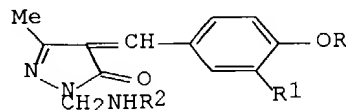
CRN 21228-90-0
CMF C H3 O4 S



L4 ANSWER 120 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1981:30629 CAPLUS Full-text
 DN 94:30629
 TI Synthesis and biological evaluation of 1-arylaminomethyl-3-methyl-4-substituted benzylidene-5-pyrazolones. A new class of pesticides
 AU Sen Gupta, Anil K.; Gupta, Anurag Ateet
 CS Dep. Chem., Lucknow Univ., Lucknow, 226007, India
 SO Bokin Bobai (1980), 8(7), 283-8
 CODEN: BOBODP; ISSN: 0385-5201
 DT Journal
 LA English
 GI

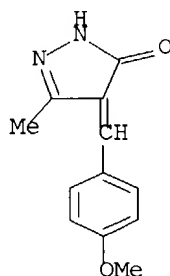


I

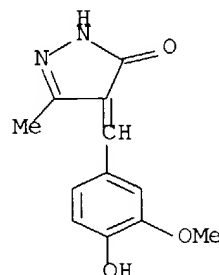


II

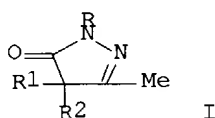
AB Mannich reaction of benzylidenepyrazolones I (R = H, Me; R1 = H, OMe) with R2NH2 (R2 = optionally substituted Ph, morpholino, piperidino) gave 60-80% arylaminomethylbenzylidenepyrazolones II. II showed bactericidal activity in the agar plate test, but little insecticidal activity. Structure-activity relations are discussed.
 IT **76074-80-1P 76074-81-2P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and aminomethylation of)
 RN 76074-80-1 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-methoxyphenyl)methylene]-5-methyl- (9CI) (CA INDEX NAME)



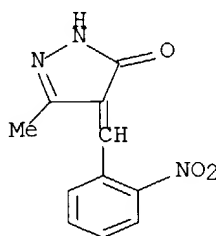
RN 76074-81-2 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-hydroxy-3-methoxyphenyl)methylene]-5-methyl- (9CI) (CA INDEX NAME)



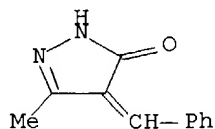
L4 ANSWER 121 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1979:54875 CAPLUS Full-text
 DN 90:54875
 TI Synthesis and fungicidal activity of arylideneacetoacetic hydrazides
 AU Nayak, A.; Mittra, A. S.
 CS Mayurbhanj Chem. Lab., Ravenshaw Coll., Cuttack, India
 SO Journal of the Indian Chemical Society (1978), 55(6), 593-7
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English
 GI



AB Treatment of 2-pyrazolin-5-ones I [R = H, Ph; R1 = R2 = H or R1R2 = (un)substituted benzylidene] (26 compds.) with N2H4 resulted in cleavage to give acetoacetic hydrazides RNHN:CMcR1R2CONHNH2. The latter underwent Michael addition with starting I to give I [R = H, R1 = RNHN:NMeCH(CONHNH2)CHR2, where R2 = (un)substituted benzyl]. Most of the products are active against rice blast and brown leaf spot pathogens.
 IT **10234-90-9 68761-49-9 68761-50-2**
68761-51-3 68761-52-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hydrazinolysis and fungicidal activity of)
 RN 10234-90-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(2-nitrophenyl)methylene]-
 (9CI)
 (CA INDEX NAME)



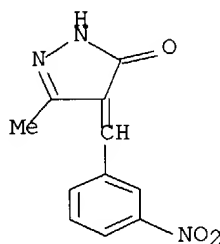
RN 68761-49-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 68761-50-2 CAPLUS

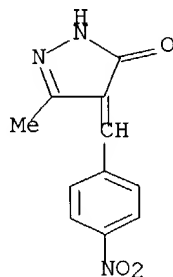
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(3-nitrophenyl)methylene]-
(9CI)

(CA INDEX NAME)



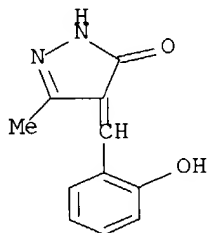
RN 68761-51-3 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(4-nitrophenyl)methylene]-
(9CI) (CA INDEX NAME)

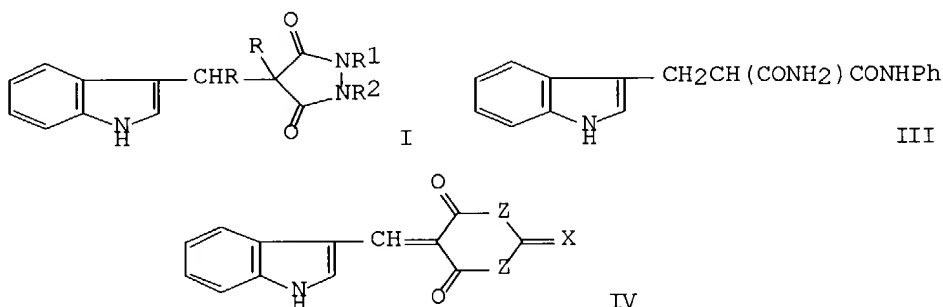


RN 68761-52-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(2-hydroxyphenyl)methylene]-5-methyl-
(9CI) (CA INDEX NAME)



L4 ANSWER 122 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1979:54764 CAPLUS Full-text
 DN 90:54764
 TI Synthesis and properties of some Lewis and Broensted acids of the indole series
 AU Velezheva, V. S.; Erofeev, Yu. V.; Yares'ko, N. S.; Balabushevich, A. G.;
 Suvorov, N. N.
 CS Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
 SO Khimiya Geterotsiklicheskikh Soedinenii (1978), (10), 1343-8
 CODEN: KGSSAQ; ISSN: 0453-8234
 DT Journal
 LA Russian
 OS CASREACT 90:54764
 GI



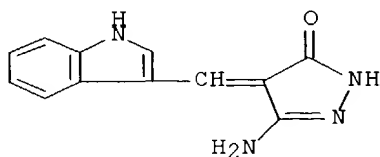
AB Reduction of pyrazolylidenemethylindole I (RR = bond; R1 = R2 = Ph; R1 = H, R2 = Ph(II)), prepared by condensation of the indolecarboxaldehyde with the resp. pyrazolone, over Pd gave 80-2% I (R = H). Reduction of II over Ni gave 85% III. Treatment of I (RR = bond) with EtONa gave the corresponding Na salts. Condensation of 2- or 3-indolecarboxaldehyde with cyclic CH acids gave 63-97% products, e.g., IV (Z = NH, X = O, S, Me2), which also formed Na salts when treated with NaOEt.

IT **69008-55-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and conversion to sodium salt)

RN 69008-55-5 CAPLUS

CN 3H-Pyrazol-3-one, 5-amino-2,4-dihydro-4-(1H-indol-3-ylmethylene)- (9CI)
 (CA INDEX NAME)

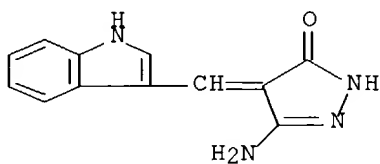


IT 69008-65-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 69008-65-7 CAPLUS

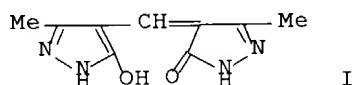
CN 3H-Pyrazol-3-one, 5-amino-2,4-dihydro-4-(1H-indol-3-ylmethylene)-,
monosodium salt (9CI) (CA INDEX NAME)



● Na

L4 ANSWER 123 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1978:192672 CAPLUS Full-text
 DN 88:192672
 TI Carriers and inks for transfer printing
 IN Decombe, Robert
 PA Sublistatic Holding S. A., Switz.
 SO Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2739174	A1	19780309	DE 1977-2739174	19770831
	DE 2739174	B2	19790301		
	BE 858367	A1	19780302	BE 1977-180648	19770902
	BE 858366	A1	19780302	BE 1977-180647	19770902
	BE 858365	A1	19780302	BE 1977-180646	19770902
	FR 2363664	A1	19780331	FR 1977-26671	19770902
	FR 2363664	B1	19790713		
PRAI	CH 1976-11193		19760903		
	CH 1977-2979		19770309		
GI					



AB Aminoplast-impregnated cotton, cotton-polyester, and polyester are transfer printed fast shades by contacting with transfer sheets which have been printed with inks containing a sublimable mixture of a diaminoanthraquinone dye and a (phenylazo)pyridone dye or pyrazolone dye I [66487-20-5].

IT **66487-20-5**

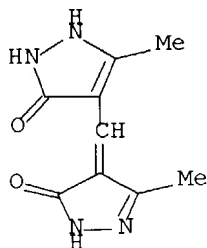
RL: USES (Uses)

(transfer printing composition containing, for aminoplast-impregnated cotton and

cotton-polyester textiles)

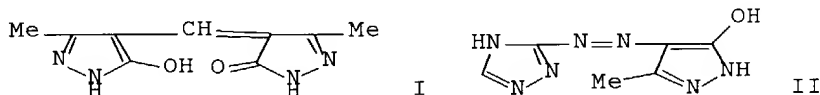
RN 66487-20-5 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]-1,2-dihydro-5-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 124 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1978:192671 CAPLUS Full-text
 DN 88:192671
 TI Carriers and inks for transfer printing
 IN Decombe, Robert; Moeckli, Peter
 PA Ciba-Geigy A.-G., Switz.; Sublistatic Holding S. A.
 SO Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2739314	A1	19780309	DE 1977-2739314	19770901
	BE 858367	A1	19780302	BE 1977-180648	19770902
	BE 858366	A1	19780302	BE 1977-180647	19770902
	BE 858365	A1	19780302	BE 1977-180646	19770902
	FR 2363664	A1	19780331	FR 1977-26671	19770902
	FR 2363664	B1	19790713		
	FR 2363449	A1	19780331	FR 1977-26670	19770902
	FR 2363450	A1	19780331	FR 1977-26672	19770902
	ES 462235	A1	19781216	ES 1977-462235	19770902
	ES 462074	A1	19790101	ES 1977-462074	19770902
	GB 1556119	A	19791121	GB 1977-36797	19770902
	JP 53031881	A2	19780325	JP 1977-105406	19770903
	JP 53031880	A2	19780325	JP 1977-105405	19770903
PRAI	CH 1976-11193		19760903		
	CH 1977-2939		19770309		
GI					



AB Transfer sheets are printed with inks containing yellow dyes I [66487-20-5], II [66487-27-2], or their mixts. with aminoanthraquinone dyes and used to print polyester and hexamethylolmelamine-polyethylene glycol-treated cotton fast, level yellow to green shades.

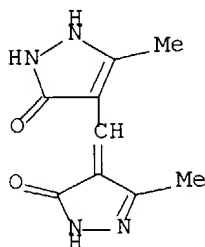
IT **66487-20-5**

RL: USES (Uses)

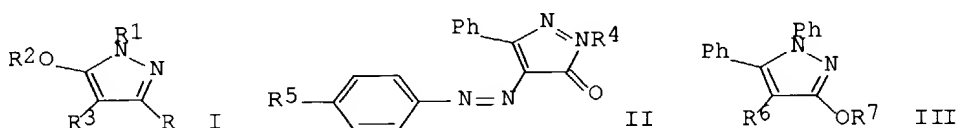
(dye, for transfer printing polyester and treated-cotton textiles)

RN 66487-20-5 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]-1,2-dihydro-5-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 125 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1978:136510 CAPLUS Full-text
 DN 88:136510
 TI Reactions of 5-pyrazolone derivatives
 AU Al-Hajjar, Farouk H.
 CS Dep. Chem., Univ. Kuwait, Kuwait, Kuwait
 SO Journal of the University of Kuwait, Science (1976), 3, 39-56
 CODEN: JUKSD8; ISSN: 0376-4818
 DT Journal
 LA English
 GI



AB Methylation of hydroxypyrazoles I (R = Ph, 4-MeC₆H₄, 4-MeOC₆H₄; R₁-R₃ = H) with CH₂N₂ or Me₂SO₄ in neutral or alkaline media gave I (R = Ph, 4-MeC₆H₄, 4-MeOC₆H₄; R₁ = R₃ = H, R₂ = Me). The bromination of I (R = Ph, R₁-R₃ = H) gave I (R₃ = Br), which was methylated to give I (R = Ph, R₁ = H, R₂ = Me, R₃ = Br) and acetylated to give I (R = Ph, R₁ = R₂ = Ac, R₃ = Br). When the phenylazopyrazole II (R₄ = R₅ = H) was treated with Me₂SO₄, Ac₂O, and Br the corresponding II (R₄ = Me, R₅ = H), II (R₄ = Ac, R₅ = H), and II (R₄ = H, R₅ = Br) were obtained. The reaction of III (R₆ = R₇ = H) with CH₂N₂ gave III (R₆ = H, R₇ = Me) which was brominated to give III (R₆ = Br, R₇ = Me).

IT **66076-96-8P**

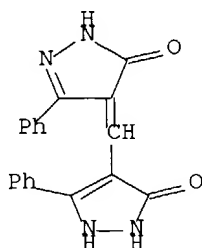
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

(Reactant or reagent)
(preparation and acetylation of)

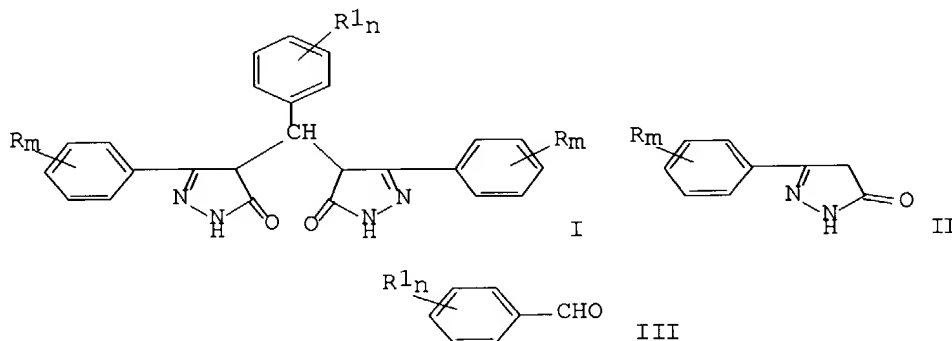
RN 66076-96-8 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(1,5-dihydro-5-oxo-3-phenyl-4H-pyrazol-4-ylidene)methyl]-1,2-dihydro-5-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 126 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1977:502321 CAPLUS Full-text
 DN 87:102321
 TI Bispyrazolinones
 IN Misawa, Takeshi; Goto, Takeshi
 PA Otsuka Chemical Drugs Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 52051366	A2	19770425	JP 1975-126509	19751020
PRAI	JP 1975-126509		19751020		
GI					



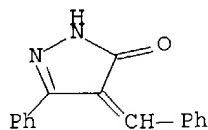
AB Thirty-one fungicidal (no data) bispyrazolones I ($R_m = H$, alkyl, etc.; $R_{1n} = H$, alkyl, etc., $m = 1-2$; $n = 1-2$) were prepared by treating II with III. Thus, 8 g II ($R_m = H$) and 5.3 g PhCHO were heated and the resulting 4-benzylidene-3-phenylpyrazolinone treated with 8 g II ($R_m = H$) and 60% hydrazine hydrate in EtOH to give 89.7% ($R_m = R_{1n} = H$). Among 30 more I similarly prepared were the following (R_m and R_{1n} given): H, 3-Me; 2,4-Cl₂, 2-Cl; 2-Cl, 3-Me; 3-Me, 2,4-Cl₂.

IT **63554-75-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and condensation with phenylpyrazolinone)

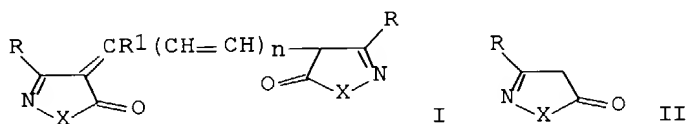
RN 63554-75-6 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-5-phenyl-4-(phenylmethylene)- (9CI) (CA INDEX NAME)



L4 ANSWER 127 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1977:44773 CAPLUS Full-text
 DN 86:44773
 TI Methine dyes of the oxonol type
 PA Kodak-Pathe, Fr.
 SO Fr. Demande, 12 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2291256	A1	19760611	FR 1974-37513	19741114
	FR 2291256	B1	19781124		
PRAI	FR 1974-37513		19741114		
GI					



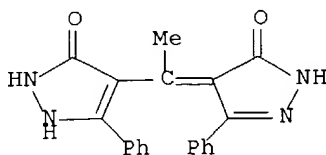
AB Sym. oxonols (I, R = Me, Ph; R1 = H, Me; X = substituted anilino, NH, PhNH, O; n = 0, 1) and related compds., useful as antihalation and filter dyes, were manufactured in .apprx.80% yield by refluxing II (R and X defined as in I) with HC(OEt)3, MeC(OEt)3, or 1,3,3-trimethoxyethoxypropane in dimethylacetamide [127-19-5] or DMF [68-12-2].

IT **58376-79-7P**

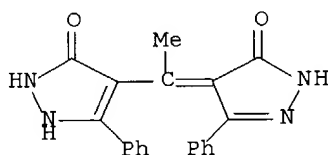
RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 58376-79-7 CAPLUS

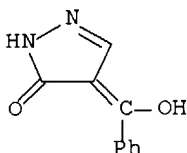
CN 3H-Pyrazol-3-one, 4-[1-(2,3-dihydro-3-oxo-5-phenyl-4H-pyrazol-4-ylidene)ethyl]-1,2-dihydro-5-phenyl- (9CI) (CA INDEX NAME)



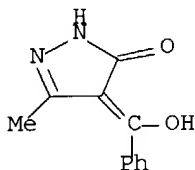
L4 ANSWER 128 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1976:91622 CAPLUS Full-text
DN 84:91622
TI New process for preparing oxonol methine dyes
AU Baralle, Roger M.
CS UK
SO Research Disclosure (1975), 140, 11-14
CODEN: RSDSBB; ISSN: 0374-4353
DT Journal
LA English
AB Salt-free monomethine, trimethine, and meso-substituted sym. oxonol dyes, useful as filter and antihalation dyes, are prepared by condensing a pyrazolone or a thiobarbituric acid derivative with an orthoester or a tetraalkoxypropane in dimethylacetamide [127-19-5] or DMF [68-12-2].
IT **58376-79-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 58376-79-7 CAPLUS
CN 3H-Pyrazol-3-one, 4-[1-(2,3-dihydro-3-oxo-5-phenyl-4H-pyrazol-4-ylidene)ethyl]-1,2-dihydro-5-phenyl- (9CI) (CA INDEX NAME)



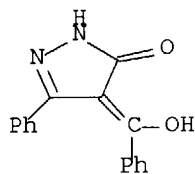
L4 ANSWER 129 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1971:420282 CAPLUS Full-text
 DN 75:20282
 TI Heterocyclic compounds from lactones, lactams, and thiolactones. XI.
 Transformation of 4-acyl-1,2-oxazolin-5-ones into the corresponding
 4-acylpyrazolin-5-ones
 AU Wamhoff, Heibrich; Schramm, Dieter; Korte, Friedhelm
 CS Org.-Chem. Inst., Univ. Bonn, Bonn, Fed. Rep. Ger.
 SO Synthesis (1971), (4), 216-17
 CODEN: SYNTBF; ISSN: 0039-7881
 DT Journal
 LA English
 GI For diagram(s), see printed CA Issue.
 AB 4-(1-Hydroxyalkylidene)-2-pyrazolin-5-ones (I) (R = H, Me, Ph; R2 = Me,
 Ph; R3 = H, Ph) are prepared from 4-acyl- Δ^2 -1,2-oxazolin-5-ones (II).
 III are intermediates. Thus, II are treated with hydrazine sulfate or
 PhNHNH2 in the presence of NaOEt to give I (R2 = H, Ph). NMR spectral
 data are given.
 IT **33064-03-8P 33064-06-1P 33064-08-3P**
 RL: SPN (Synthetic preparation); PREP (Preparation)(preparation of)
 RN 33064-03-8 CAPLUS
 CN 2-Pyrazolin-5-one, 4-(α -hydroxybenzylidene)- (8CI) (CA INDEX NAME)



RN 33064-06-1 CAPLUS
 CN 2-Pyrazolin-5-one, 4-(α -hydroxybenzylidene)-3-methyl- (8CI) (CA
 INDEX NAME)



RN 33064-08-3 CAPLUS
 CN 2-Pyrazolin-5-one, 4-(α -hydroxybenzylidene)-3-phenyl- (8CI) (CA
 INDEX NAME)



L4 ANSWER 130 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1970:521623 CAPLUS Full-text
 DN 73:121623
 TI Light stable colorants and ultraviolet inhibitors for plastics
 IN Harris, Raymond Clement; Newland, Gordon C.
 PA Eastman Kodak Co.
 SO U.S., 6 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3531479	A	19700929	US 1968-757089	19680903
PRAI	US 1968-757089		19680903		

GI For diagram(s), see printed CA Issue.

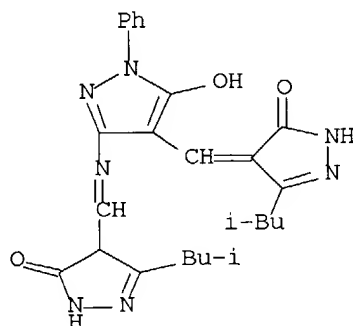
AB Light-stable yellow and orange pigments with the structure I, where R and R1 are H, Me, Ph, or iso-Bu, are prepared by treating 5-oxo-2-pyrazoline-4- carboxaldehydes with 3-amino-5-oxo-2-pyrazolines. A mixture of 4.04 g 3-methyl-5-oxo-1-phenyl-2-pyrazoline - 4- carboxaldehyde and 1.75 g 3-amino-5-oxo-1-phenyl-2-pyrazoline was added to 10 ml Me Cellosolve and the solution was heated on a steam bath for 2 hr. The solution was slowly cooled to room temperature, chilled, and filtered to give 87% yield I (R = Ph, R1 = Me). Addnl. I similarly prepared included R = Ph, R1 = H; R = H, R1 = Me; R = H, R1 = iso-Bu; R = R1 = Ph. When polypropylene film containing 5% I (R = Ph, R1 = Me) was artificially weathered in a Weather-Ometer modified with sunlamps, the film did not change color on exposure and had a stability rating of 50. The stability rating was determined by comparing the exposure time required to embrittle stabilized film with that required for unstabilized film.

IT **29971-85-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 29971-85-5 CAPLUS

CN 2-Pyrazolin-5-one, 4-[N-[5-hydroxy-4-[(3-isobutyl-5-oxo-2-pyrazolin-4-ylidene)methyl]-1-phenyl-2-pyrazolin-3-yl]formimidoyl]-3-isobutyl- (8CI)
 (CA INDEX NAME)



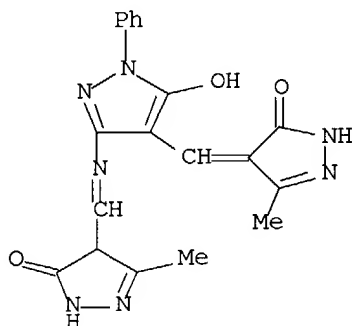
IT **29824-77-9**

RL: USES (Uses)

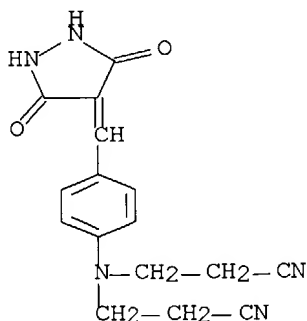
(ultraviolet stabilizers, for plastics)

RN 29824-77-9 CAPLUS

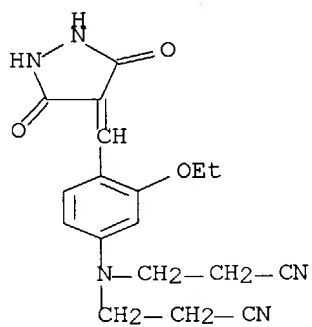
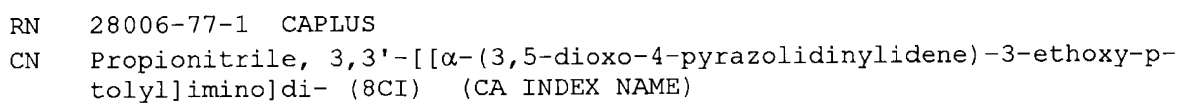
CN 2-Pyrazolin-5-one, 4-[N-[5-hydroxy-4-[(3-methyl-5-oxo-2-pyrazolin-4-ylidene)methyl]-1-phenyl-2-pyrazolin-3-yl]formimidoyl]-3-methyl- (8CI)
(CA INDEX NAME)



L4 ANSWER 131 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1970:78584 CAPLUS Full-text
 DN 72:78584
 TI Chemistry of bis(2-cyanoethyl) derivatives of some aromatic amines. V.
 Preparation of some new tertiary aminobenzaldehydes and a study of some
 of their reactions
 AU Jolly, V. S.; Ittyerah, P. I.
 CS Chem. Lab., St. John's Coll., Agra, India
 SO Journal of the Indian Chemical Society (1969), 46(11), 997-1002
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English
 AB 4-[N,N-bis(2-cyanoethyl)amino]-2-ethoxy- and 2,6-
 (dimethylamino)benzaldehydes have been prepared for the first time.
 Some of the reactions of these aldehydes and also of 4-[N,N-bis-(2-
 cyanoethyl)amino]-2-methoxy- and 2-methylbenzaldehydes have been
 studied. p-[N-Methyl-N-(2'-cyanoethyl)amino]benzaldehyde which has so
 far been known through some of its derivs. has now been isolated in the
 pure form.
 IT **19500-49-3P 28006-74-8P 28006-77-1P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 19500-49-3 CAPLUS
 CN Propionitrile, 3,3'-[[α -(3,5-dioxo-4-pyrazolidinyldene)-p-
 tolyl]imino]di- (8CI) (CA INDEX NAME)



RN 28006-74-8 CAPLUS
 CN Propionitrile, 3,3'-[[α -(3,5-dioxo-4-pyrazolidinyldene)-3-methoxy-p-
 tolyl]imino]di- (8CI) (CA INDEX NAME)



L4 ANSWER 132 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1969:431352 CAPLUS Full-text
 DN 71:31352
 TI Pyrazolone monomethine merocyanine dyes
 IN Weissel, Oskar; Raue, Roderich; Psaar, Hubertus
 PA Farbenfabriken Bayer A.-G.
 SO U.S., 4 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 3441563	A	19690429	US 1965-427205	19650105
PRAI	DE 1958-F27222		19581212		
	DE 1958-F27223		19581212		

GI For diagram(s), see printed CA Issue.

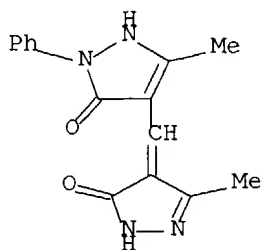
AB The title compds. having the general formulas I, II, and III, are photosensitizers and filter dyes. Thus, a mixture of 10.1 parts 1-phenyl-3-methyl-4-formyl-5-pyrazolone (IV), 6.55 parts 2-methylindole, and 30 vols. Ac2O was refluxed 10 min. and cooled to give 10.6 parts I (R1 = H, R2 = Me), dark red crystals, m. 214-17°. Similarly were prepared: I (R1 = Me, R2 = Ph), red, m. 198-201°. II (Z = CONHCONHCO), yellow m. 308-10° (HCONMe2-H2O); II (Z = CON:NC(OH):CH), m. 222-8°. The following III were also prepared (R1 = R3 = Me, R2 and m.p. given): Ph, 176-7° (yellow); 4-MeC6H4, 188-94°; H, 262-3°; 2-MeOC6H4, 205-7°; 2,5-Cl2C6H3, 225-8°; 4-O2NC6H4, 278-80°; 3-HO2CC6H4, 224-6°; 4-H2NC6H4, 227-9°; 2-sulfoneaminophenyl (sic), 286-8°; 3-methylsulfenylaminophenyl (?), 189-95°; 3-phenylsulfenyl-aminophenyl (?), 200-2°; 3-ethylsulfenylphenyl (?), 245-7°, 2-methoxy-5-ethylsulfenylphenyl (?), 179-86°; 4-HO3SNH-C6H4, 277-9°; 2,6,4-ClMe(HO3SNH)C6H2, 276-8°; 2,5-Me-(HO3SNH)C6H3, 221-7°; 2,2,6,3-Me2(HO3SNH)C6H2, 249-55°. The following III were prepared (R1-R3 and m.p. given): Me, Ph, H2NCO, 270-3°; HO2C, Ph, Me, 227-9°; HO2C, H, Me, 245-7°; Me, Ph, 4-MeOC6H4, 208-10° (yellow). Using 1-phenyl-3-carbethoxy-4- [(dimethylamino)methylene]-5-pyrazolone instead of IV, the following III were prepared (R1 = CO2Et; R2, R3, and m.p. given): 4-MeC6H4, Me, 193-5°; Ph, Me, 157-65°; H, Me, 196-8°; 3-HO2CC6H4, Me, 295-9°; Ph, H2NCO, 175-276° (sic); HO3SNHC6H4, Me, 206-8°; H, 3-MeOC6H4, 204-6°. Also prepared was a product, m. 266-8°, formed by the reaction of 5-methyl-4-formyl-5-pyrazolone (sic) with 1-(2-methoxyphenyl)-3-methyl-5-pyrazolone.

IT **23468-57-7P 23468-74-8P**

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

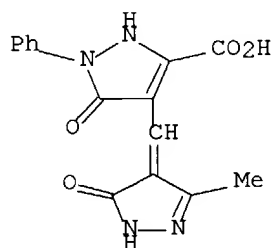
RN 23468-57-7 CAPLUS

CN 2-Pyrazolin-5-one, 3-methyl-4-[(3-methyl-5-oxo-1-phenyl-3-pyrazolin-4-yl)methylene]- (8CI) (CA INDEX NAME)



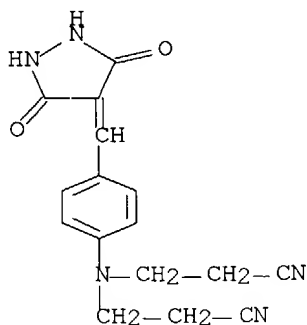
RN 23468-74-8 CAPLUS

CN 3-Pyrazoline-3-carboxylic acid, 4-[(3-methyl-5-oxo-2-pyrazolin-4-ylidene)methyl]-5-oxo-1-phenyl- (8CI) (CA INDEX NAME)

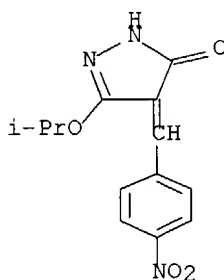


L4 ANSWER 133 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1968:467274 CAPLUS Full-text
DN 69:67274
TI Chemistry of bis(2-cyanoethyl) derivatives of some aromatic amines.
III.

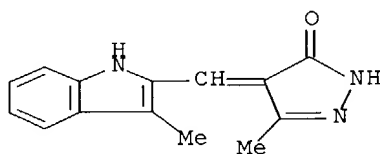
Further reactions of p-[bis(2-cyanoethyl)amino]benzaldehyde
AU Asthana, B. P.; Ittyerah, P. I.
CS St. John's Coll., Agra, India
SO Journal of the Indian Chemical Society (1968), 45(3), 232-6
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English
AB p-[Bis(2-cyanoethyl)amino]benzaldehyde (I) is condensed with cyanoacetamide (II), ethyl acetoacetate, acetophenone (III), rhodanine (IV), nitromethane (V), isonicotinic acid hydrazide (VI), hydantoin (VII), and thiohydantoin (VIII) under the usual conditions to give the following p-[bis(2-cyanoethyl)amino]benzylidene-substituted, products the products identified by chemical and phys. methods (reactant, % yield, mp., and color given): II, 79.8, 265°, -; III, 56.2, 141° (EtOH), yellow; IV, 55.6, 243° (Me₂CO), orange; V, 83.3, 211° (AcOH), red; VI, 75.3, 225° (EtOH), -; VII, 78, 235° (Me₂CO), yellow; VIII, 58.3, 231° (MeOH), red. Also prepared was 30.5% di-Et p-[bis (2-cyanoethyl) amino]benzylidenebis (acetoacetate), m. 172° (EtOH). Oxidation of I yielded p-bis(2-cyanoethyl)amino]benzoic acid, m. 216° (aqueous EtOH). p-[Bis(2-cyanoethyl)amino]benzylidenemalonic acid, m. 193° (decomposition) (aqueous EtOH), and the secondary hydrazide, m. 220°, were prepared from the malonate. The following 2-R-substituted-4-[p-[bis(2-cyanoethyl)amino]benzylidene]-5-oxazolones were prepared under the usual conditions (R, m.p., and % yield given): Ph, 189°, 60; styryl, 221°, 55.5; o-nitrophenyl, 184°, 53.8; m-nitrophenyl, 235°, 38.5; p-nitrophenyl, 252°, 57.7; 3,5-dinitrophenyl, 269°, 65.2; o-chlorophenyl, 158°, 39.6; p-chlorophenyl, 240°, 50.5; 3,4-methylenedioxyphenyl, 292°, 59.2; p-methoxyphenyl, 248°, 62.5. Preliminary expts. indicate a use for the rhodanine derivative as a reagent for Cu, Hg, and Ag and the aldehyde itself as a detecting reagent for acyl glycines by paper chromatog.
IT **19500-49-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 19500-49-3 CAPLUS
CN Propionitrile, 3,3'-[[α-(3,5-dioxo-4-pyrazolidinylidene)-p-tolyl]imino]di- (8CI) (CA INDEX NAME)



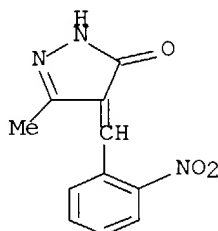
L4 ANSWER 134 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1967:421866 CAPLUS Full-text
DN 67:21866
TI Thionocarboxylic acid esters. II. Reactions of monothionomalonic acid esters with amino compounds
AU Barnikow, Guenter; Strickmann, Guenter
CS Humboldt-Univ., Berlin, Fed. Rep. Ger.
SO Chemische Berichte (1967), 100(5), 1661-6
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA German
OS CASREACT 67:21866
GI For diagram(s), see printed CA Issue.
AB cf. CA 67: 11152k. Monothionomalonic acid esters reacted with 1,2-diamines or with 1-amino-2-hydroxy compds. to give 2-imidazolinyl- and 2-oxazolinylacetic acid esters, resp., and with hydrazine compds. to give 3-alkoxy-5-pyrazolones. Thus, EtOCSCH₂CO₂Et reacted with (H₂NCH₂)₂, H₂NCH₂CH₂OH or N₂H₄.H₂O to give Et 2-imidazolin-2-ylacetate (II), Et 2-oxazolin-2-ylacetate, or 3-ethoxy-Δ²-pyrazol-5-one, resp. Other CH-acid thionocarboxylic acid esters, such as iso-Pr coumarin-3-thionocarboxylate, behaved similarly.
IT **16105-53-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 16105-53-6 CAPLUS
CN 2-Pyrazolin-5-one, 3-isopropoxy-4-(p-nitrobenzylidene)- (8CI) (CA INDEX NAME)



L4 ANSWER 135 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1966:490532 CAPLUS Full-text
 DN 65:90532
 OREF 65:16930g-h
 TI Reactions of 2,3-dimethylindole and tetrahydrocarbazole with
 N-bromosuccinimide
 AU Sakakibara, H.; Kobayashi, T.
 CS Gakushuin Univ., Tokyo
 SO Tetrahedron (1966), 22(8), 2475-9
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 OS CASREACT 65:90532
 GI For diagram(s), see printed CA Issue.
 AB Reaction of 2,3-dimethylindole and tetrahydrocarbazole with N-
 bromosuccinimide in the presence of C₅H₅N gave the corresponding
 pyridinium bromides (I and II) which were condensed with acetoacetic
 ester, benzoylacetic ester and malonic ester in the presence of K₂CO₃.
 IT **10523-18-9**, 2-Pyrazolin-5-one, 3-methyl-4-[(3-methylindol-2-
 yl)methylene]-
 (preparation of)
 RN 10523-18-9 CAPLUS
 CN 2-Pyrazolin-5-one, 3-methyl-4-[(3-methylindol-2-yl)methylene]- (7CI,
 8CI)
 (CA INDEX NAME)



L4 ANSWER 136 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1966:473419 CAPLUS Full-text
 DN 65:73419
 OREF 65:13683h,13684a-b
 TI The preparation of 9-hydroxypyrazolo [3,4-b]quinolines
 AU Coutts, R. T.; Edwards, J. B.
 CS Univ. Saskatchewan, Saskatoon
 SO Canadian Journal of Chemistry (1966), 44(17), 2009-14
 CODEN: CJCHAG; ISSN: 0008-4042
 DT Journal
 LA English
 OS CASREACT 65:73419
 GI For diagram(s), see printed CA Issue.
 AB 4-(2-Nitrobenzylidene)-2-pyrazolin-5-ones (I) were best prepared by heating o-O₂NC₆H₄CHO and 2-pyrazolin-5-ones in Ac₂O containing fused NaOAc I were reductively cyclized with cyclohexene and Pd-C, and gave 3a,4,9,9a-tetrahydro-9-hydroxy-1H-pyrazolo [3,4-b] quinolines (II) which, as expected, were amphoteric compds. Of the 3 other methods of reduction used in this study, two (Zn and HOAc; NaBH₄ and Pd-C) were capable of producing pyrazoloquinolines, but were less reliable. The other method employed (N₂H₄.H₂O and Pd-C) caused degradation of the pyrazolone mol. in the 2 cases examined, and in both, bis(2-aminobenzylidene)hydrazine was the reduction product isolated.
 IT **10234-90-9**, 2-Pyrazolin-5-one, 3-methyl-4-(o-nitrobenzylidene)-
 (preparation of)
 RN 10234-90-9 CAPLUS
 CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-[(2-nitrophenyl)methylene]-
 (9CI)
 (CA INDEX NAME)



L4 ANSWER 137 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1966:438500 CAPLUS Full-text

DN 65:38500

OREF 65:7167e-h

TI Carbon disulfide reactions with various mono- and disubstituted pyrazolones

AU Papini, Piero; Auzzi, Gabriella

CS Univ. Florence

SO Gazzetta Chimica Italiana (1966), 96(4), 430-42

CODEN: GCITA9; ISSN: 0016-5603

DT Journal

LA Italian

OS CASREACT 65:38500

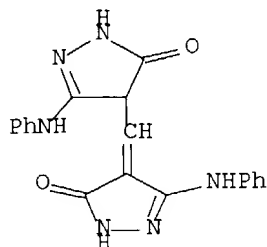
GI For diagram(s), see printed CA Issue.

AB The reaction of 1-R, 2-R1-disubstituted 3,5-pyrazolidinediones (I) with alc. KOH to yield the corresponding 4-dithio acids (II) (CA 64, 19592e) was extended to the following I and II (R, R1, I mp., and II m. p. given): Ph, H, --, 140-5° (decomposition) (EtOH) (thioanhydride decomposed 285°); C6H4Cl-p, Ph, 170-5° (EtOH), - [Me ester m. 186-8° (EtOH); amide m. 245-7° (EtOH)]; p-tolyl, Ph, 130°, - [yellow Me ester m. 184° (EtOH); amide m. 210° (EtOAc); C6H4OCH2Ph-p, Ph, -, 115-20° (decomposition) [yellow Me ester m. 140° (EtOH); amide m. 240° (HOAc); anitide m. 133-5° (EtOH)]. I (R = Ph, R1 = H) boiled in dilute HCl gave III, m. 280° (decomposition) (EtOH). II (R = Ph, R1 = H) boiled with H2O and Na-Hg and the colorless mixture acidified with dilute HCl also gave III. Also prepared was 3-anilino-5-pyrazolone-4-dithiocarboxylic acid, m. 165-70° (decomposition) (EtOH), from 3-anilino-5-pyrazolone (IV), m. 245° (decomposition) (H2O). Equimolar amts. of IV and HCONPh2 heated 1 hr. at 130° gave 3-anilino-4-anilinomethylene-5-pyrazolone (V), m. <360° (EtOH). V boiled 0.5 hr. in alc. KOH gave VI, m. 305-6° (decomposition) (EtOH). Similarly prepared were the following 1-phenyl-5-R-substituted-3-pyrazolone-4-dithiocarbonic acids (R and m.p. given): NH2, 178° (EtOH); PhNH, 135-40° (decomposition) (EtOAc). To 1-phenyl-3-amino-5-pyrazolone (VII) (0.1 mole) in a solution of 0.1 mole KOH in 5-10 ml. H2O and 200 ml. MeOH was added excess CS2, the solution kept 48 hrs. and evaporated, and the residue acidified with dilute HCl to give VIII, m. 220° (EtOAc). The 4-dithio acid derivative (IX), m. 146-9° (EtOH), of VII was prepared from the N-Ac derivative of VII, m. 166-8°. IX treated with CS2 in KOH solution and acidified also gave VIII.

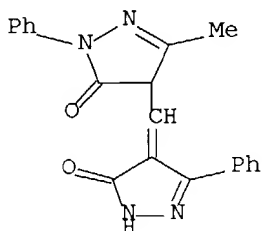
IT **7245-35-4**, 2-Pyrazolin-5-one, 4,4'-methylidynebis[3-anilino- (preparation of)

RN 7245-35-4 CAPLUS

CN 2-Pyrazolin-5-one, 4,4'-methylidynebis[3-anilino- (7CI, 8CI) (CA INDEX NAME)



L4 ANSWER 138 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1964:447840 CAPLUS Full-text
 DN 61:47840
 OREF 61:8293h,8294a-b
 TI A novel method for preparing 4-formyl-3-methyl-1-phenyl-5-pyrazolone
 AU Dymek, Wojciech; Janik, Boleslaw; Zimon, Romuald
 CS Akad. Med., Krakow, Pol.
 SO Acta Polon. Pharm. (1963), 20(1), 9-14
 DT Journal
 LA Polish
 GI For diagram(s), see printed CA Issue.
 AB 3-Methyl-1-phenyl-5-pyrazolone (I) (17.3 g.) and 14.6 g. HCONMe₂ was treated dropwise at room temperature with 19.4 g. POCl₃, the mixture heated 3 hrs. at 80°, cooled, hydrolyzed with 100 g. ice, alkalized to pH 10 with 2N NaOH, heated until evolution of Me₂NH ceased, cooled, and acidified to pH 4.5 with 2N HCl to yield II (RR₁ = O) (IV), m. 174-5° (EtOH); III, m. 180-1° (EtOH), was isolated as a byproduct. Attempted preparation of IV by hydrolyzing II (R = OH, R₁ = CCl₃) (V) with aqueous K₂CO₃ or NaOH failed. V was prepared by heating 1.74 g. I and 1.6 g. CCl₃CHO.H₂O 30 min. at 70° and crystallizing the melt from EtOH, m. 172-3°. IV refluxed 2 hrs. with an equimolar amount of 3-phenyl-5-pyrazolone in EtOH gave VI, m. 214-15° (EtOH). Several Schiff bases were prepared by refluxing equimolar amts. of IV and amines in EtOH or AcOH (amine and m.p. of the Schiff base (EtOH) given): PhNH₂, 154-5°; p-EtOC₆H₄NH₂, 149-50°; o-C₆H₄(NH₂)₂ (bis compound), 255-6°; sulfamidopyrine, 212°; sulfanilamide, 286-7°; sul-fathiazole, 272-3°; sulfadiazine, 275-6°.
 IT **96057-36-2**, 2-Pyrazolin-5-one, 3-methyl-4-[(5-oxo-3-phenyl-2-pyrazolin-4-ylidene)methyl]-1-phenyl-
 (preparation of)
 RN 96057-36-2 CAPLUS
 CN 2-Pyrazolin-5-one, 3-methyl-4-[(5-oxo-3-phenyl-2-pyrazolin-4-ylidene)methyl]-1-phenyl- (7CI) (CA INDEX NAME)



L4 ANSWER 139 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1962:449843 CAPLUS Full-text
DN 57:49843

OREF 57:9991i,9992a-c

TI Bis(pyrazolone)methenyl dyes

PA Farbenfabriken Bayer A.-G.

SO 5 pp.

DT Patent

LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	GB 888547	19620131	GB	
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PRAI	DE	19581209		
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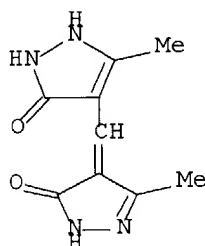
GI For diagram(s), see printed CA Issue.

AB Valuable dyeings or prints are obtained on textiles, films, or other shaped articles made from aromatic polyesters, polyamides, polyurethans, or cellulose esters with dyes of the general formula I where R is H, Ph or p-MeC₆H₄, and R' is Me or CO₂Et. Thus, 0.4 g. I (R = p-tolyl, R' = Me), 4.5 g. Me cresotate, and 2.0 g. condensation product from C₁₀H₇SO₃H and H₂CO in 1 l. H₂O adjusted to pH 4.5 and poly(ethylene terephthalate) fibers or 4,4'-dihydroxydiphenylpropane polycarbonate fibers dyed in this solution at 98-100° gave greenish yellow dyeings of excellent light and moisture fastness; the same results were obtained with acetate rayon fabrics. I (R = Ph and R' = CO₂Et) gave similarly greenish yellow dyeings on poly(ethylene terephthalate) fibers and poly-ε-caprolactam fabrics.

IT **66487-20-5**, 2-Pyrazolin-5-one, 3-methyl-4-[(3-methyl-5-oxo-3-pyrazolin-4-yl)methylene]-
(dyeing with)

RN 66487-20-5 CAPLUS

CN 3H-Pyrazol-3-one, 4-[(1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene)methyl]-1,2-dihydro-5-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 140 OF 140 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1959:99807 CAPLUS Full-text
DN 53:99807

OREF 53:18009b-g

TI The condensation of 3-amino-5-pyrazolones with aldehydes-synthesis of
5-pyrazolonylguanidines

AU Gagnon, Paul E.; Boivin, Jean L.; Zauhar, Joseph

CS Laval Univ., QC

SO Canadian Journal of Chemistry (1959), 37, 110-17

CODEN: CJCHAG; ISSN: 0008-4042

DT Journal

LA Unavailable

OS CASREACT 53:99807

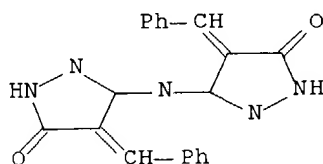
GI For diagram(s), see printed CA Issue.

AB cf. C.A. 47, 6940a. 3-Amino-5-pyrazolones were condensed with aldehydes (3:1 molar ratio) in the presence of piperidine (I) to yield 3,3'-iminobis(4-alkylidene-5-pyrazolones), (RCH:C.CO.NR'.N:C2NH (II), 4-alkylidene-3-iminoalkylidene-5-pyrazolones, RCH:C.CO.NR'.N:CN:CHR (III), or 4-alkylidene-5-pyrazolones, RCH:C.CO.NR'.N:CNH2 ((IV), depending on the reagents used. Thus, 0.56 mole BzH was condensed with 0.2 mole of 3-amino-5-pyrazolone (V) and 4 ml. I in refluxing EtOH to yield 17% of II (R = Ph, R' = H), m. 252-3°. PhCH2CHO (0.56 mole) and 0.2 mole V under similar conditions gave 30% III (R = PhCH2, R' = H), m. 264-5° (EtOH). AcH with 3-amino-1-phenyl-5-pyrazolone gave 95.7% IV (R = Me, R' = Ph), m. 225-6° (EtOH). Similarly were prepared (compound number, R, R', m.p., solvent, and % yield are given): II, Ph, Ph, 242-4°, dioxane, 34.1; II, p-MeOC6H4, Ph (VI), 253-4°, AcOH, 89.1°; III, Bu, Ph, 165-7°, MeOH, 51; IV, Et, Ph(VII), 184-6°, EtOH, 56.1; IV, Ph, Ph (VIII), 231-3°, MeOH, 84.5. Na (0.07 mole) was added to a solution of 0.01 mole of VII at a rate to cause vigorous reflux. The mixture was refluxed 1.5 hrs. and EtOH evaporated in vacuo. The residue was treated with 40 ml. H2O, filtered, and the filtrate acidified with 50% AcOH to give red 3,3'-iminobis(1-phenyl-4-propylidenepyrazolin-5-ol). The filter residue was II (R = Et, R' = Ph), m. 215-17°. VIII was similarly reduced with Na in EtOH to 4-benzylidene-3-amino-1-phenylpyrazolin-5-ol, needles, m. 197-9° (EtOH). VI was also reduced to the bis-5-pyrazolinol in 38% yield, m. 170-2°. 4-Substituted-3-amino-5-pyrazolones (0.03 mole) were fused with 0.02 mole dicyandiamide to give N,N'-bis(4-alkyl-5-pyrazolon-3-yl)guanidines (alkyl group, m.p., and % yield given): amyl, 197-9°, 88; benzyl, 258-61°, 75; butyl, 239-41° (EtOH-H2O), 57. The infrared absorption maximum were tabulated for the above compds.

IT 102024-76-0, 2-Pyrazolin-5-one, 3,3'-iminobis[4-benzylidene-
(preparation of)

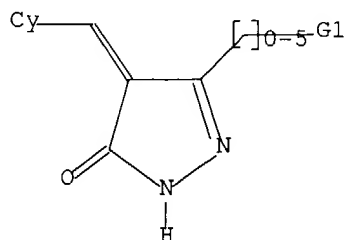
RN 102024-76-0 CAPLUS

CN 2-Pyrazolin-5-one, 3,3'-iminobis[4-benzylidene- (6CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

=> d l1; d his; log y
 L1 HAS NO ANSWERS
 L1 STR



G1 H, O, S, N, Cb, Hy, Ak

Structure attributes must be viewed using STN Express query preparation.

(FILE 'HOME' ENTERED AT 18:08:59 ON 07 APR 2004)

FILE 'REGISTRY' ENTERED AT 18:09:07 ON 07 APR 2004

L1 STRUCTURE UPLOADED
 L2 19 S L1
 L3 1953 S L1 FUL

FILE 'CAPLUS' ENTERED AT 18:10:58 ON 07 APR 2004

L4 140 S L3

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	668.10	824.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-97.02	-97.02

STN INTERNATIONAL LOGOFF AT 18:13:58 ON 07 APR 2004